Corbin Russwin

ASSA ABLOY

ED4000, ED5000 Series

Mechanical Pushpar Exit Devices
Parts and Service Manual

ASSA ABLOY, the global leader
in door opening solutions

Introduction

Installation Notes . . . 3
How to Order Parts . . . 3
Finish Chart . . . 3

Exit Devices

ED5200(A) ED4200 Rim Exit Device . . . 4
ED4200M(A) Rim Exit Device . . . 5
ED5200(A) ED4200S Rim Exit Device . . . 6
ED4200SM(A) Rim Exit Device . . . 7
ED5400(A) ED4400 Surface Vertical Rod . . . 8-9
ED4400M(A) Surface Vertical Rod . . . 10-11
ED5470(B) Surface Vertical Rod . . . 12-13
ED5470(B) M55 Surface Vertical Rod (Less Bottom Rod) . . . 14-15
ED5800(A) ED4800 Concealed Vertical Rod Exit Device . . . 16-17
ED4800M(A) Concealed Vertical Rod Exit Device . . . 18-19
ED5860(B) Concealed Exit Device . . . 20-21
ED5860B M55 Concealed Exit Device (Less Bottom Rod) . . . 22-23
ED5600(A) Mortise Exit Device . . . 24-25
ED5000 DB Dummy Bar . . . 26-27
ED4000/ED5000 bar Components . . . 28-29

Trim

603F, 622F, 624F, 625F, 626F, 628F, 629F Trim . . . 30-31
623F, 627F Trim . . . 32-33
652F, 654F, 656F, 658F Trim . . . 34-35
620F, 621F, 651F Trim . . . 36-37
633F, 635F Trim . . . 38-39
673F, 675F Trim . . . 40-41
632F, 634F, 662F Trim . . . 42-43
630F, 631F, 661F Trim . . . 44-45
680F, 681F, 684F Trim . . . 46
480F, 481F, 482F, 483F Trim . . . 47
502F, 504F, 505F, 506F, 508F, 509F Trim . . . 48-49
500F, 501F, 503F, 507F Trim . . . 50-51
518F, 519F Trim . . . 52-53
513F, 517F Trim . . . 54-55
512F, 514F Trim . . . 56-57
541F, 546F, 548F, 549F Trim . . . 58-59

Levers and Knobs . . . 60
Cylinders . . . 61
Strikes . . . 62
Accessories . . . 63-64
Mullions . . . 65
Handing Instructions . . . 66-67
Surface Vertical Rod Devices . . . 68
Concealed Vertical Rod Devices . . . 69
Troubleshooting . . . 70

Installation Notes

1. Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
2. Refer to the templates and installation instructions for complete door preparation and installation requirements.
3. Machine screws are provided for steel reinforced doors, threaded-to-the-head AB Type screws are provided for wood door applications. In addition, sex nuts and bolts are provided for fire rated devices and are optional for non-rated devices. It is recommended that sex nuts and bolts be used for all exit device applications. This will improve the performance and extend the life of the product.

How to Order Parts

1. In order to simplify the ordering procedure and maintain regulatory compliance, parts are only available as listed
2. To order parts, provide the appropriate quantity, part number, finish, hand (when required) and description as directed and illustrated below.

For example, use the following configuration to order:

A) ten escutcheon assemblies (page 30) in satin chrome

B) one surface vertical rod latch cover (page 10) in bright brass

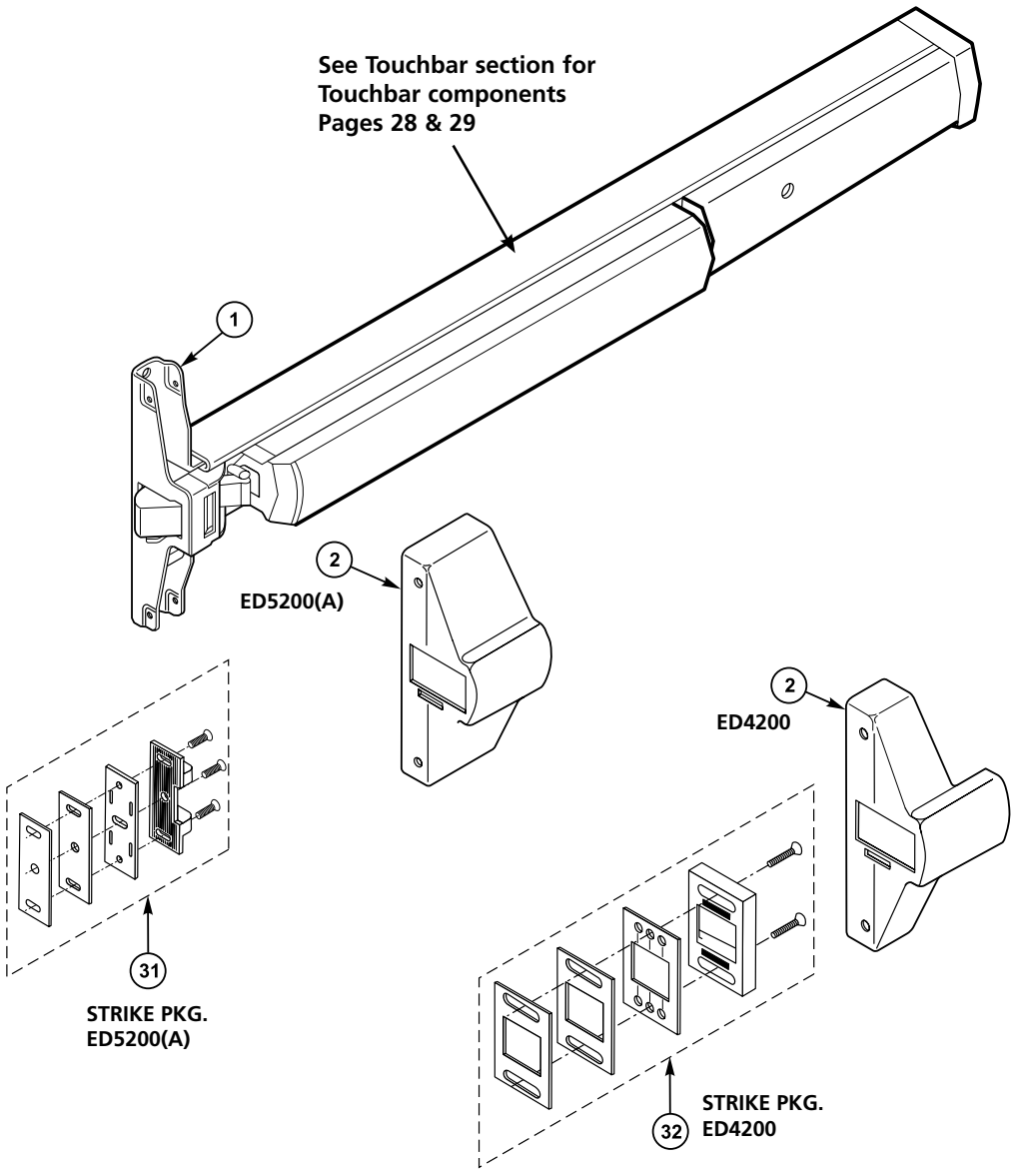
	Quantity	Part Number	Finish	Hand	Description
A	10	677F01	626	—	Escutcheon Assemblies
B	1	650F64	605	—	Top Latch Cover

For assistance, contact your authorized Corbin Russwin distributor, sales agency or visit our website at www.corbinrusswin.com.

Finishes

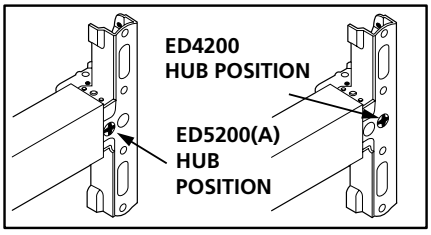
ANSI/BHMA Code	Finish Description
605	Bright Brass, Clear Coated
606	Satin Brass, Clear Coated
611	Bright Bronze, Clear Coated
612	Satin Bronze, Clear Coated
613	Dark Oxidized Satin Bronze, Oil Rubbed
613E	Dark Oxidized Satin Bronze, Equivalent
618	Bright Nickel, Clear Coated
619	Satin Nickel Plated, Clear Coated
625	Bright Chrome Plated
626	Satin Chrome Plated
626C	Satin Chromium Plated with MicroShield®
629	Bright Stainless Steel
630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
722	Black Oxidized Satin Bronze, Oil Rubbed

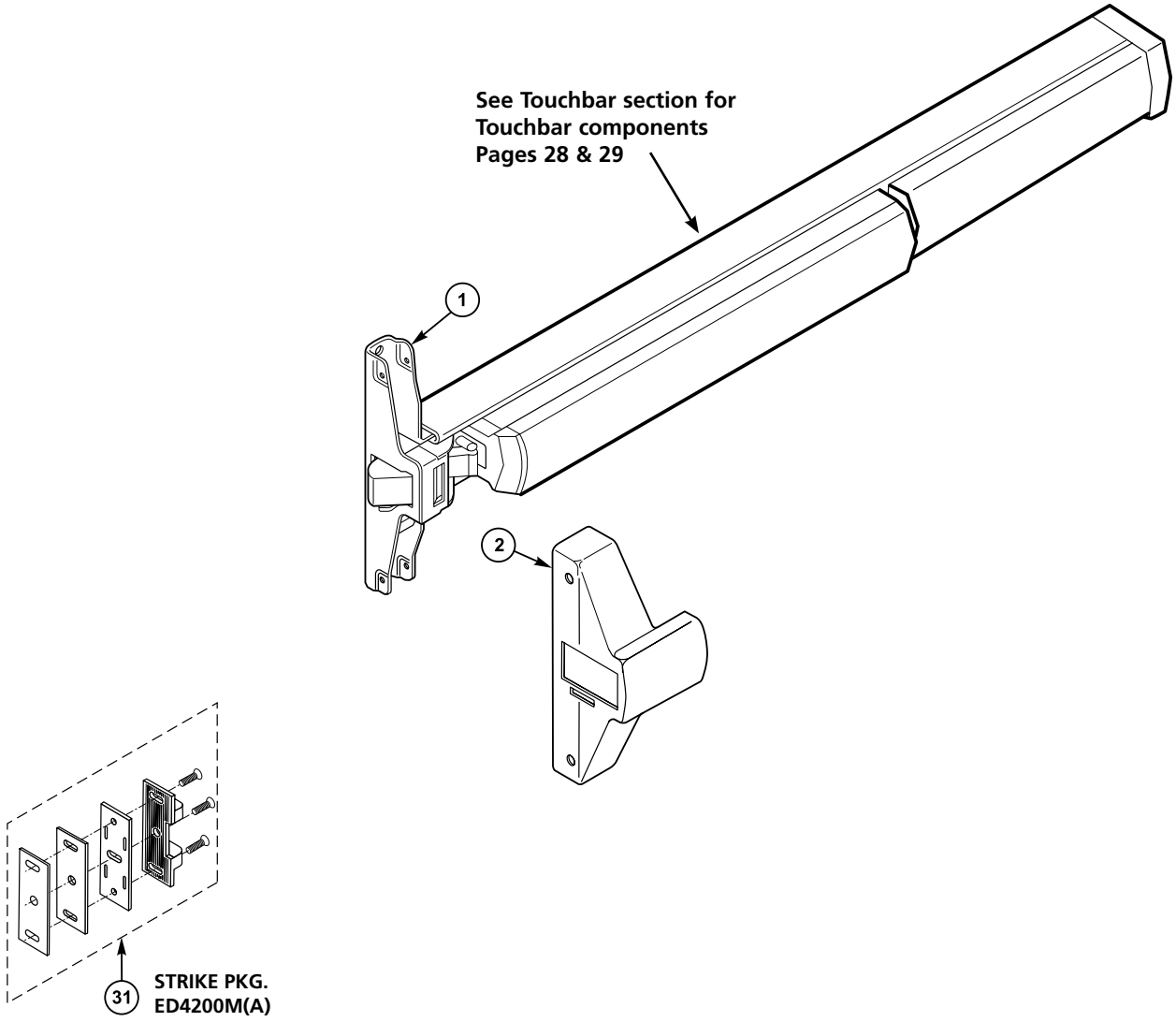
Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.



Item	Part No.	Description
1		Latch Assembly
	650F358	ED5200
	650F368	ED5200A
	650F378	ED4200
2		Cover
	650F00 x Fin	ED5200
	Not Available	ED5200(A) Ⓤ
	650F03 x Fin	ED4200
31	650F308	ED5200(A) Strike Packet
32	650F318	ED4200 Strike Packet
33	655F718	(502) ED5200 Rim x VR Strike

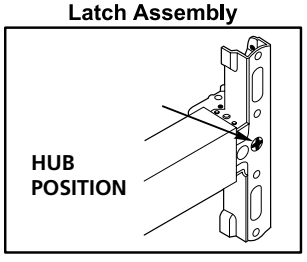
Difference in Latch Assemblies

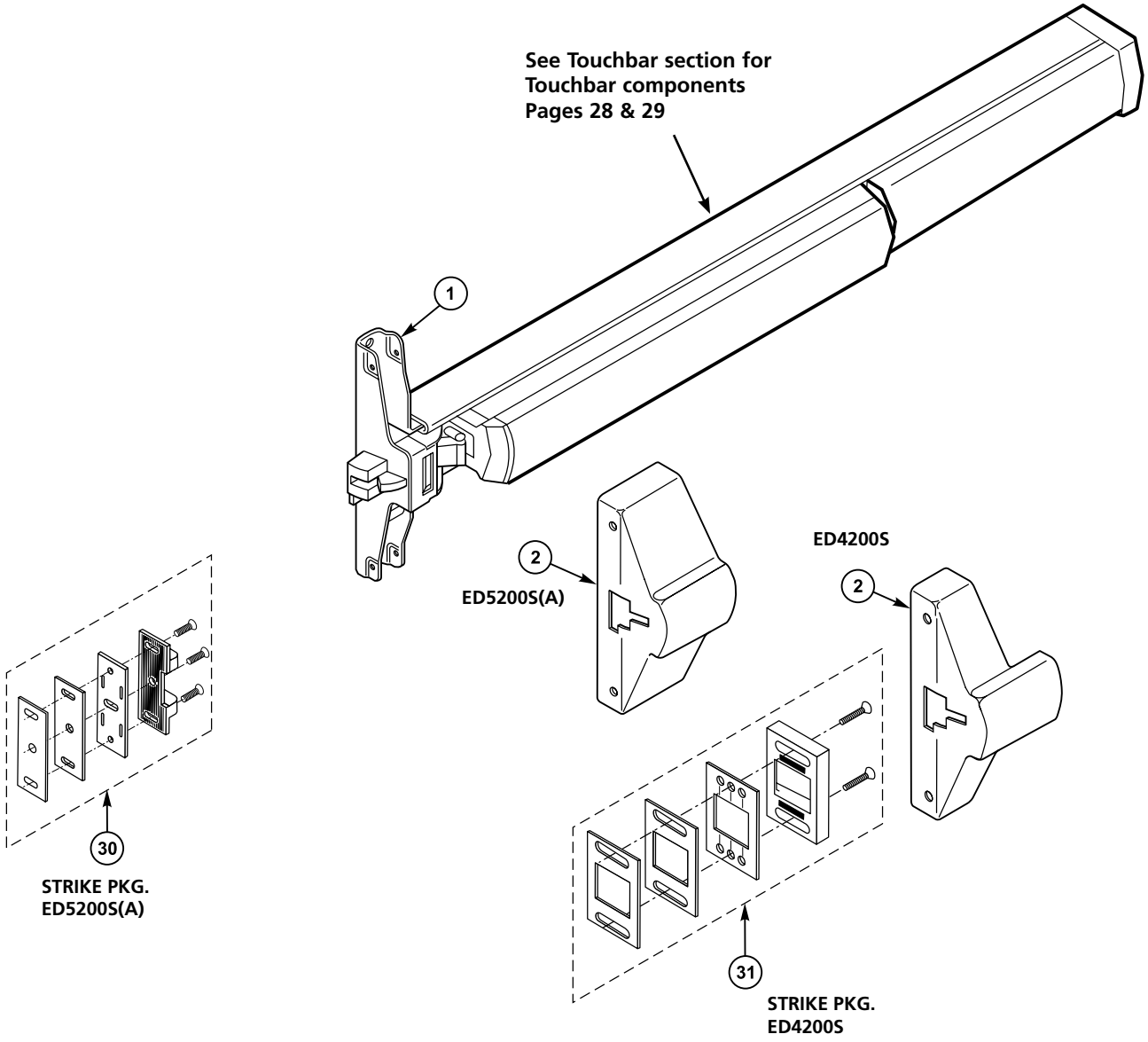




Item	Part No.	Description
		Latch Assembly
1	650F378	ED4200M
	756F008	ED4200MA
2	650F03 x Fin	Cover ED4200M only
2	Not Available	Cover ED4200MA
31	650F308	ED4200M(A) Strike Packet

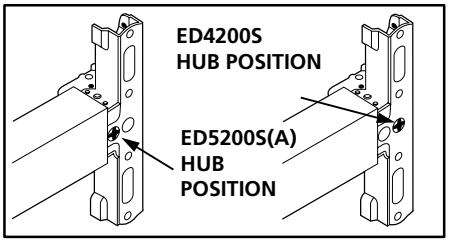
Latch Assembly

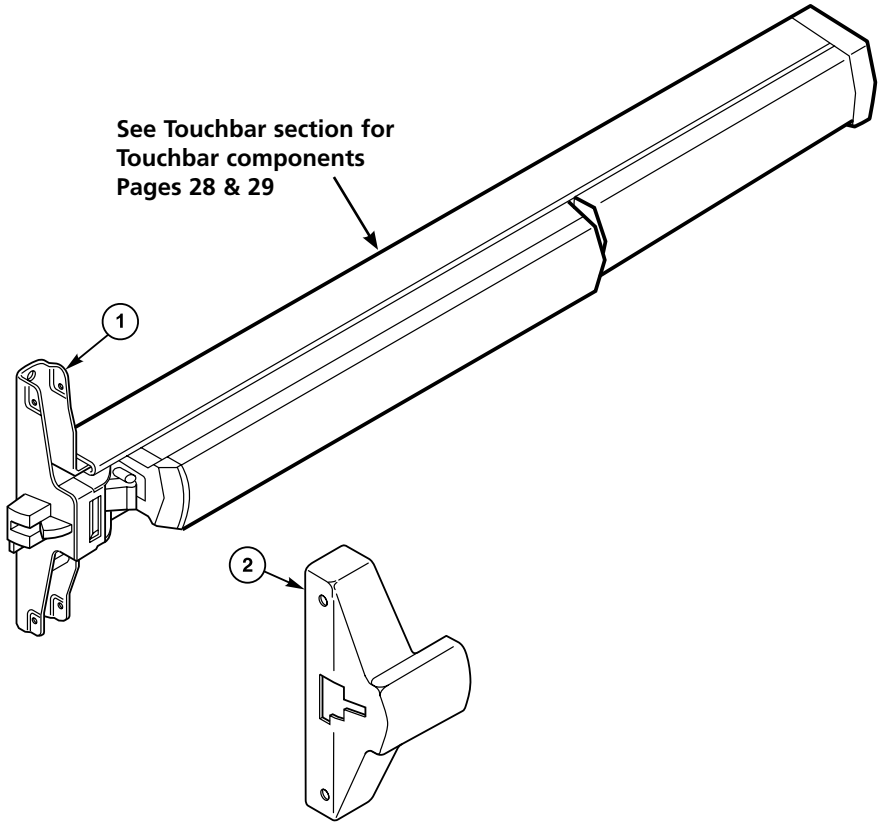


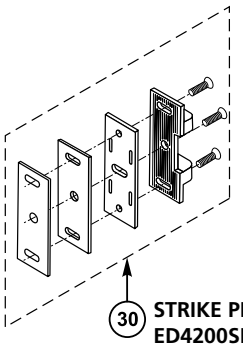


Item	Part No.	Description
1	681F608 681F618	Latch Assembly ED5200S, ED5200SA, ED4200S
2	681F62 x Fin ***Not Available*** 681F63 x Fin	Cover ED5200S ED5200SA (UL) ED4200S
30	730F778	ED5200S(A) Strike Packet
31	650F318	ED4200S Strike Packet
33	655F718	ED5200S Rim x VR Strike (S02)

Difference in Latch Assemblies

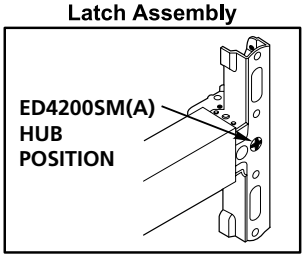






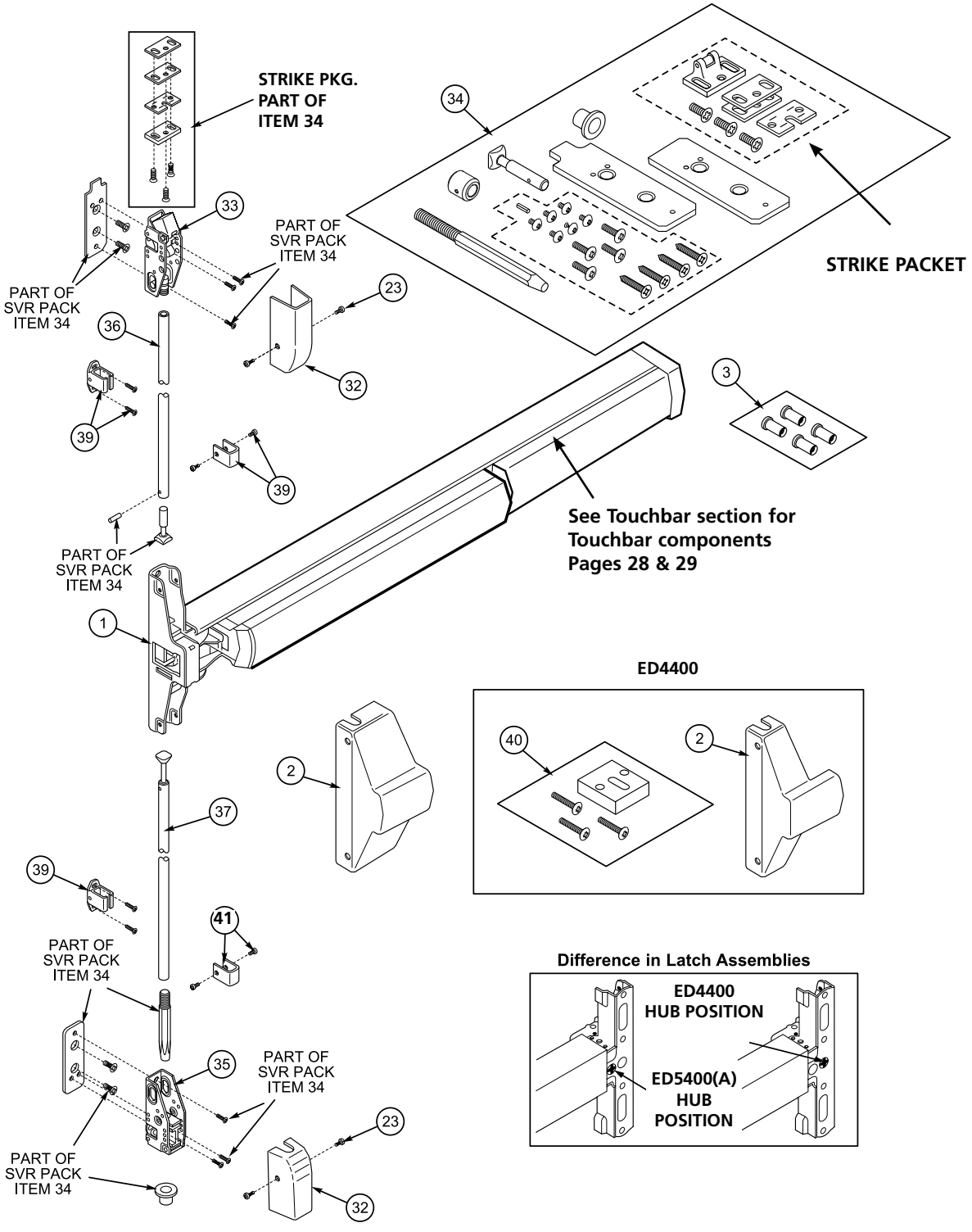
Item	Part No.	Description
1	681F618	Latch Assembly ED4200SM(A)
2	681F63 x Fin	Cover ED4200SM
30	730F778	ED4200SM(A) Strike Packet

Latch Assembly



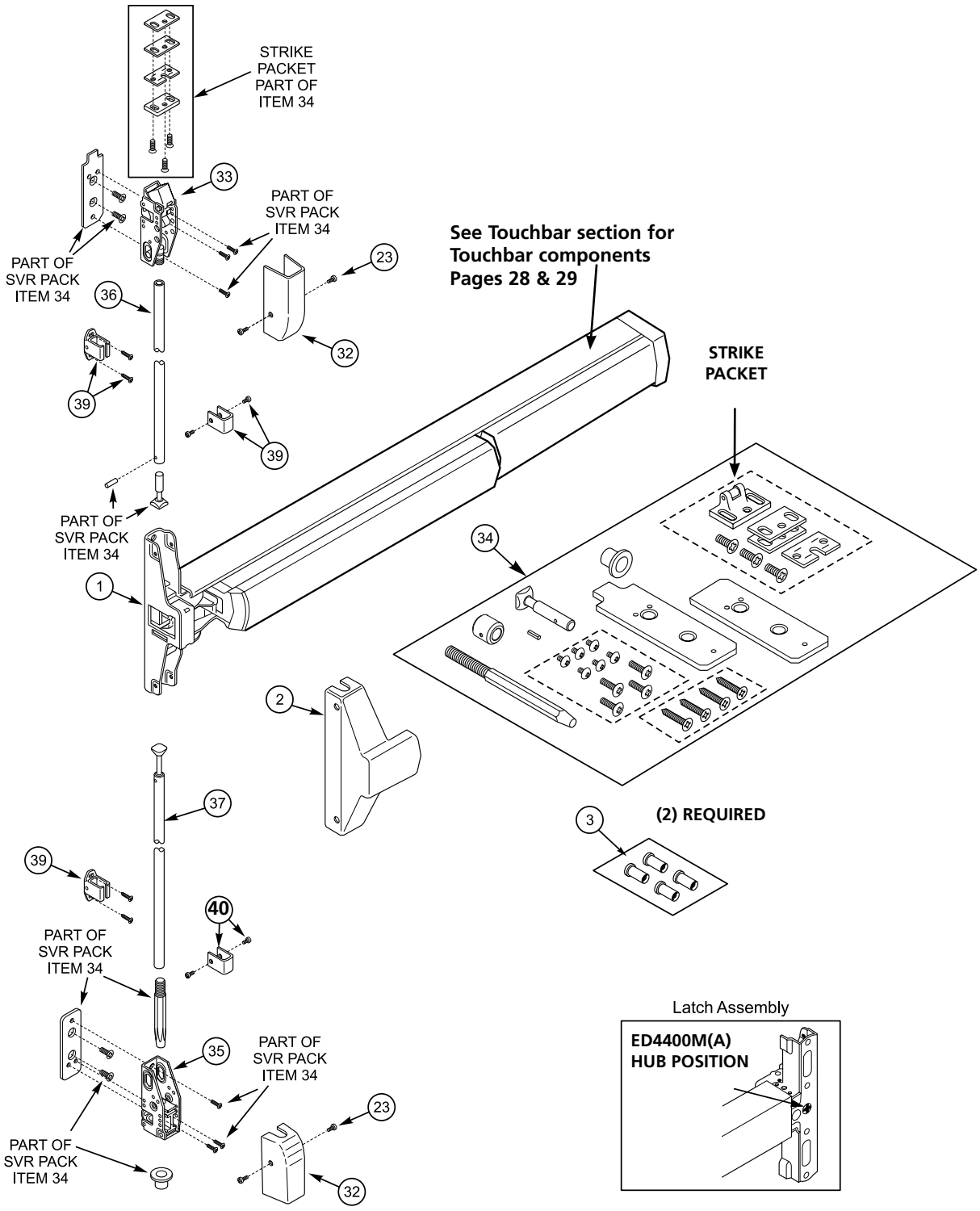
Item	Part No.	Description
		Active Head
	650F388	ED5400, ED5400A RHR
1	650F398	ED5400, ED5400A LHR
	650F408	ED4400 RHR
	650F418	ED4400 LHR
		Cover
	650F01 x Fin	ED5400
2	***Not Available***	ED5400A (UL)
	650F04 x Fin	ED4400
3	650F298 x Fin	Sex Nut Pack (2) required
		Screw Packet, Cover
23	704F63 x Fin	#8-32 x 5/16"
		UFPHMS (5)
32	650F64 x Fin	Cover, Top & Bottom
		Latches (2)
		Top Latch
33	650F558	ED5400, ED4400
	650F568	ED5400A

Item	Part No.	Description
	650F578	SVR Pack
		Consists of the following:
		Top Mtg. Plate
		Bottom Mtg. Plate
		Top Rod Connector
34		Rod Connecting Pin
		Drill Jig
		Floor Bolt
	650F548	Strike -
		Latch Mounting Screw Packet
		Top Strike Packet
		Bottom Bolt Case
35	650F588	ED5400, ED4400
	650F598	ED5400A
36	650F60 x Fin	Top Rod
37	649F99 x Fin	Bottom Rod Assembly
39	650F62 x Fin	Rod Guide Packet
40	650F978	Pillow Block Packet ED4400
41	675F99 x Fin	Rod Guide Cover (2)
42	654F208	Wood Screw Paclet ***not shown***


STRIKE PKG.
PART OF
ITEM 34
34
STRIKE PACKET
33
PART OF
SVR PACK
ITEM 34
PART OF
SVR PACK
ITEM 34
23
36
32
39
39
3
See Touchbar section for
Touchbar components
Pages 28 & 29
PART OF
SVR PACK
ITEM 34
1
ED4400
2
40
2
37
39
41
PART OF
SVR PACK
ITEM 34
Difference in Latch Assemblies
ED4400
HUB POSITION
ED5400(A)
HUB
POSITION
35
PART OF
SVR PACK
ITEM 34
PART OF
SVR PACK
ITEM 34
23
32

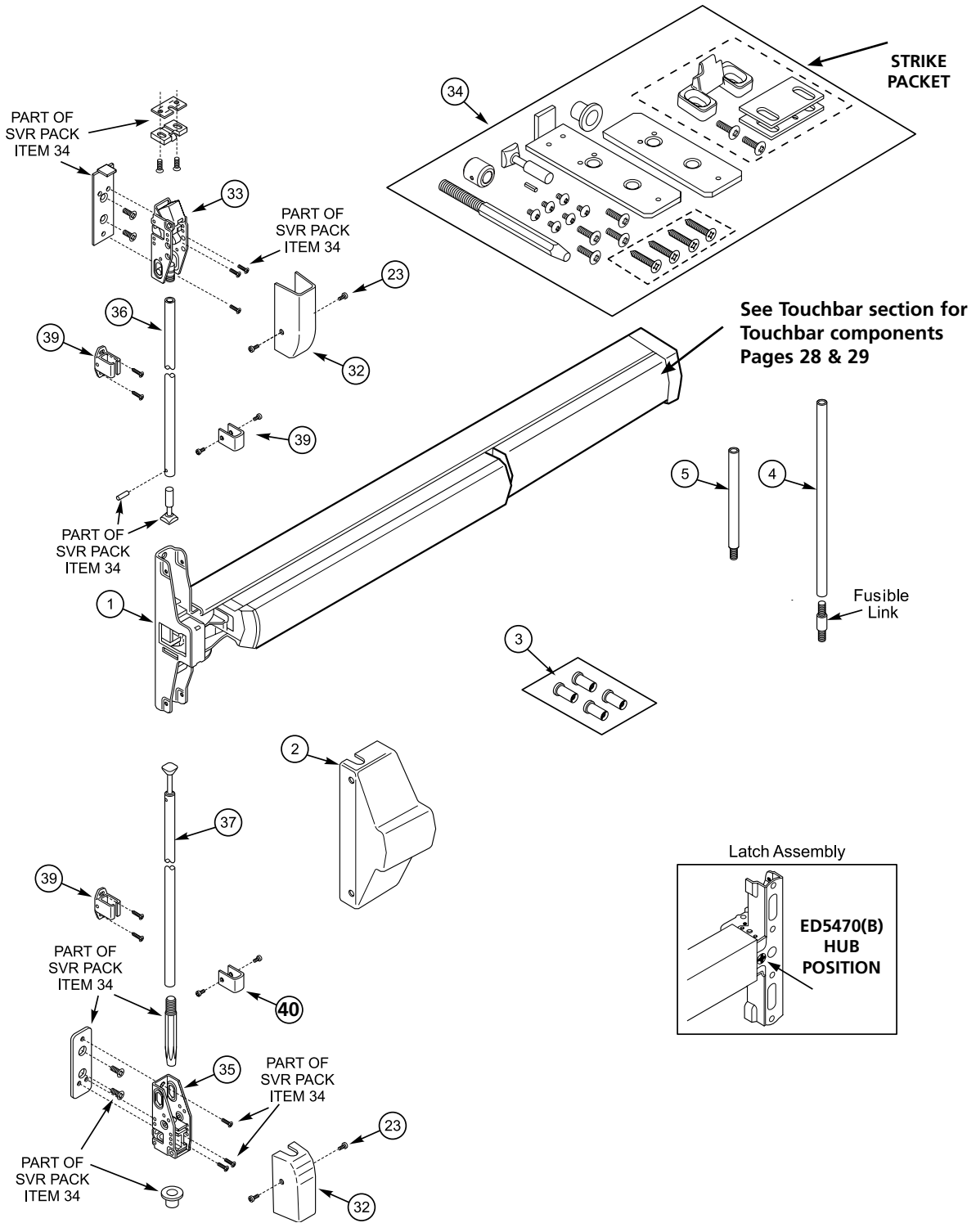
Item	Part No.	Description
1	650F408	Active Head ED4400M(A) (Must Specify Hand)
2	650F04 x Fin ***Not Available***	Cover ED4400M ED4400M(A) (UL)
3	650F298	Sex Nut Pack (4) 2 required Fire Rated Only or M54 option
23	704F63 x Fin	Screw Packet, Cover #8-32 x 5/16" UFPHMS (5)
32	650F64 x Fin	Cover, Top & Bottom Latches (2)
33	650F558 650F568	Top Latch ED4400M ED4400MA
34	650F578 652F298 650F548	SVR Pack ***Consists of the following:*** Top Mtg. Plate Bottom Mtg. Plate Top Rod Connector Rod Connecting Pin Drill Jig Floor Bolt Strike Latch Mounting Screw Pack Sex Nut Pack (4) Fire Rated Only Top Strike Packet

Item	Part No.	Description
35	650F588 650F598	Bottom Bolt Case ED4400M ED4400M(A)
36	650F60 x Fin	Top Rod
37	649F99 x Fin	Bottom Rod Assembly
39	650F62 x Fin	Rod Guide Packet ***Consists of the following:*** Guide, Rod (1) Screw, #8 x 1/2 (2) RPHMS (4) Screw, #8-32 x 1/4" (2) FPHMS (4)
40	675F99 x Fin	Rod Guide Cover (2)
41	654F208	Wood Screw Packet ***not shown***


STRIKE PACKET PART OF ITEM 34
33
PART OF SVR PACK ITEM 34
PART OF SVR PACK ITEM 34
23
36
32
39
39
PART OF SVR PACK ITEM 34
1
See Touchbar section for Touchbar components Pages 28 & 29
STRIKE PACKET
34
2
37
3
(2) REQUIRED
39
40
PART OF SVR PACK ITEM 34
35
PART OF SVR PACK ITEM 34
23
PART OF SVR PACK ITEM 34
32
Latch Assembly
ED4400M(A) HUB POSITION

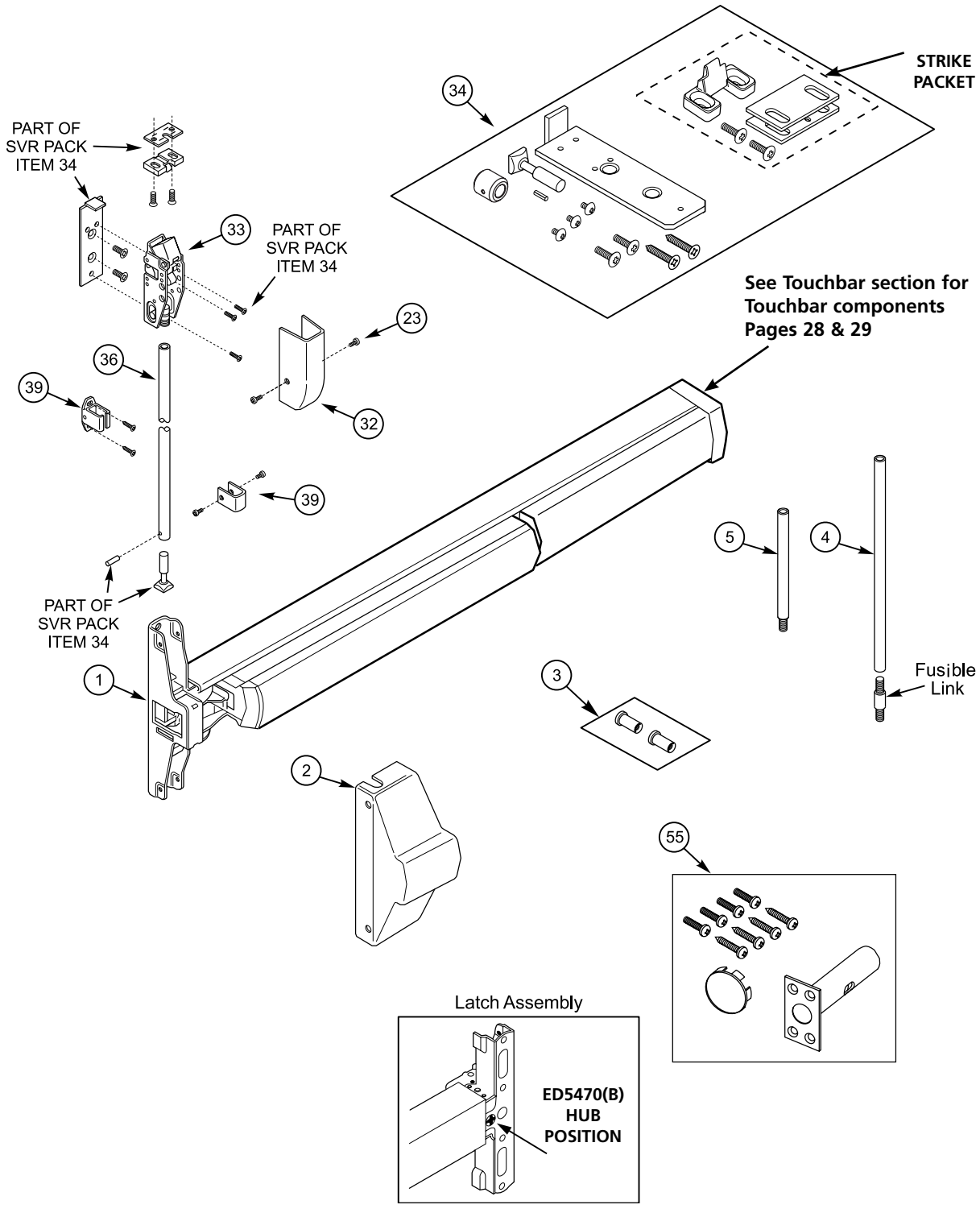
Item	Part No.	Description
1		Active Head
	650F388	ED5470(B) RHR
	650F398	ED5470(B) LHR
2		Cover
	650F01 x Fin	ED5470
	Not Available	ED5470B (UL)
3	652F298	Sex Nut Pack (4) (Fire Rated Only) or M54 Quick Code
4	684F42 x Fin	Rod Extension Assy., 24"
5	655F17 x Fin	Rod Extension Assy., 12"
23	704F63 x Fin	Screw Packet, Cover #8-32 x 5/16" UFPHMS (5)
32	650F64 x Fin	Cover, Top & Bottom Latches (2)
33		Top Latch
	650F558	ED5470
	650F568	ED5470B
34	697F978	SVR Pack ***Consists of the following:*** Top Mtg. Plate Bottom Mtg. Plate Top Rod Connector Rod Connecting Pin Drill Jig Floor Bolt Strike Latch Mounting Screw Pack Latch Mounting Screw (4) (Wood Door Panic)
	681F708	Top Strike Packet

Item	Part No.	Description
35		Bottom Bolt Case
	650F588	ED5470
	650F598	ED5470B
36	650F60 x Fin	Top Rod
37	649F99 x Fin	Bottom Rod Assembly
39	650F62 x Fin	Rod Guide Packet
40	675F99 x Fin	Rod Guide Cover (2-covers)
41	654F208	Wood Screws ***not shown***

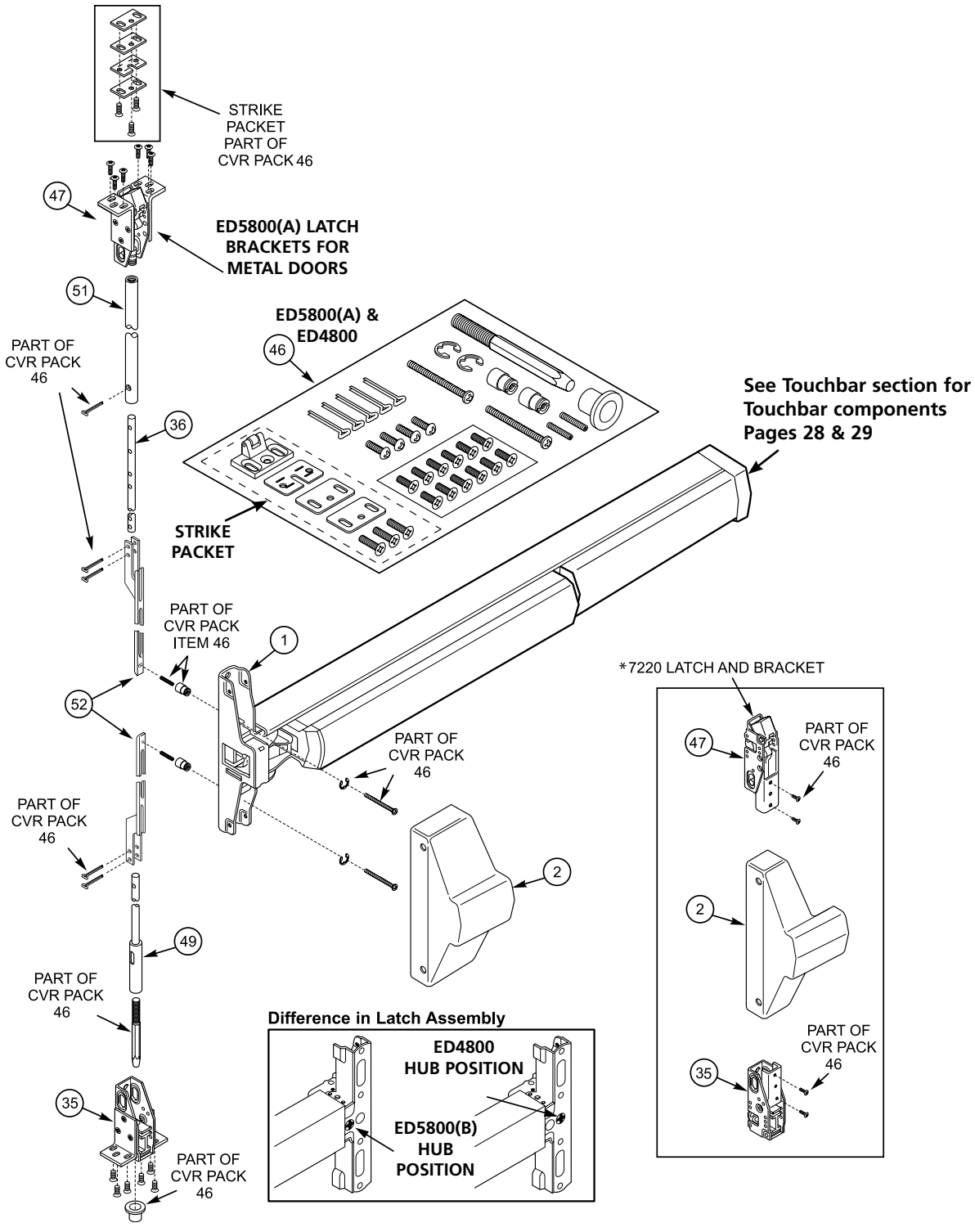

STRIKE PACKET
34
PART OF SVR PACK ITEM 34
33
PART OF SVR PACK ITEM 34
23
36
39
32
See Touchbar section for Touchbar components Pages 28 & 29
39
5
4
PART OF SVR PACK ITEM 34
1
Fusible Link
3
2
37
39
PART OF SVR PACK ITEM 34
40
35
PART OF SVR PACK ITEM 34
PART OF SVR PACK ITEM 34
23
32
Latch Assembly
ED5470(B) HUB POSITION

Item	Part No.	Description
1		Active Head
	650F388	ED5470(B) RHR
	650F398	ED5470(B) LHL
		Cover
2	650F01 x Fin	ED5470
	Not Available	ED5470B
3	652F298	Sex Nut Pack (4), Fire Only & M54
4	684F42 x Fin	Rod Extension Assy., 24"
5	655F17 x Fin	Rod Extension Assy., 12"
		Screw Packet, Cover
23	704F63 x Fin	#8-32 x 5/16"
		UFPHMS (5)
32	650F64 x Fin	Cover, Top & Latch
33	650F558	Top Latch, ED5470
	650F568	Top Latch, ED5470B

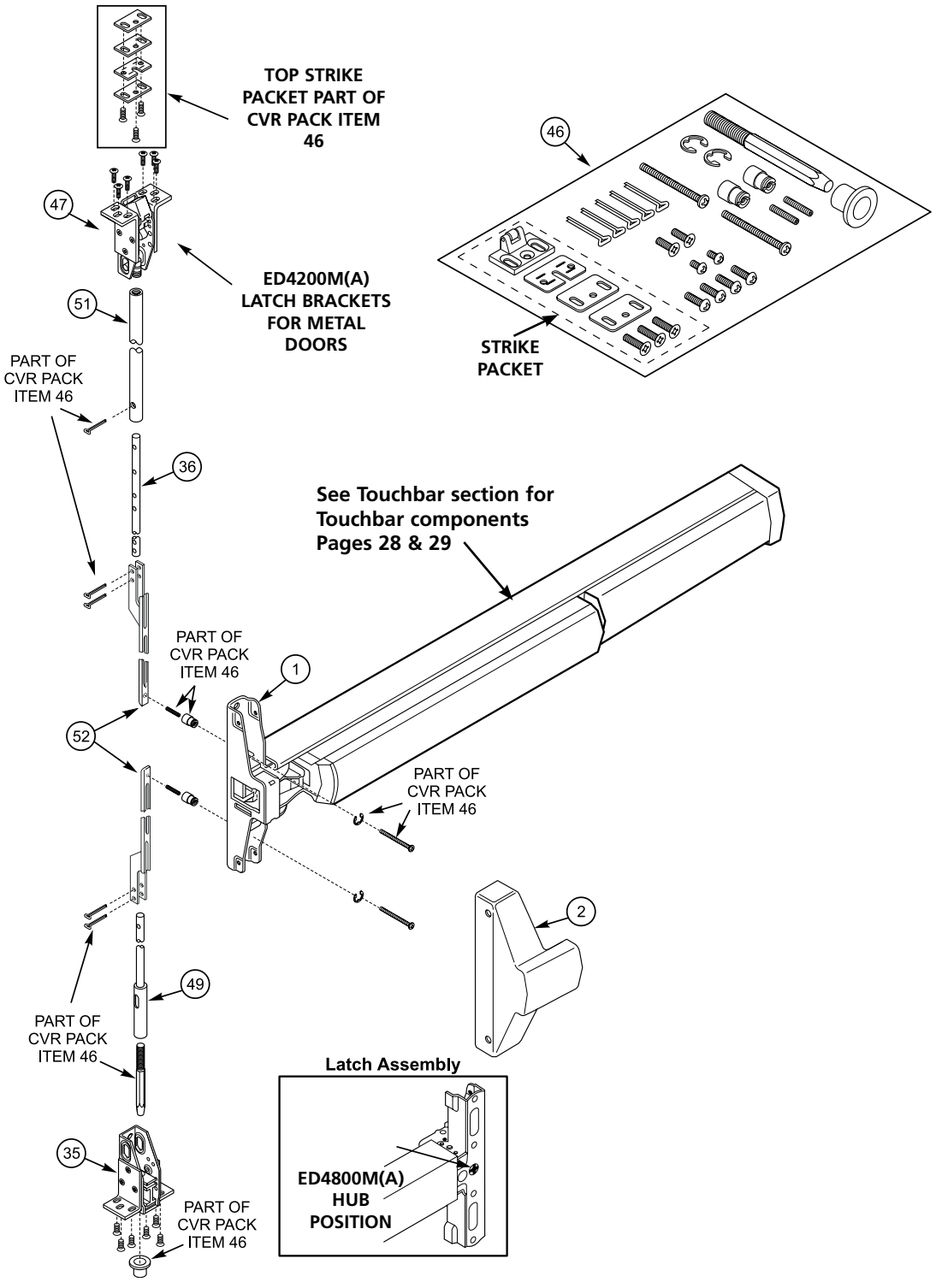
Item	Part No.	Description
	654F158	SVR Pack
		Consists of the following:
		Top Mtg. Plate
		Top Rod Connector
34		Rod Connecting Pin
		Drill Jig
		Latch Mounting Screw Pack
		Latch MountingScrew(2) (wood doors, panic)
	681F708	Top Strike Packet
36	650F60 x Fin	Top Rod
	650F62 x Fin	Rod Guide Packet
		Consists of the following:
39		Guide, Rod (1)
		Cover, Rod Guide (1)
		Screw, #8 x 1/2 (2) RPHMS (4)
		Screw, #8-32 x 1/4" (2) FPHMS (4)
55	744F688 x Fin	Popper Packet [Fire Rated (B) Only]
40	675F99 x Fin	Rod Guide Cover
41	654F208	Wood Screws


STRIKE PACKET
34
PART OF SVR PACK ITEM 34
33
PART OF SVR PACK ITEM 34
23
36
39
32
39
See Touchbar section for Touchbar components Pages 28 & 29
5
4
PART OF SVR PACK ITEM 34
1
3
Fusible Link
2
55
Latch Assembly
ED5470(B) HUB POSITION

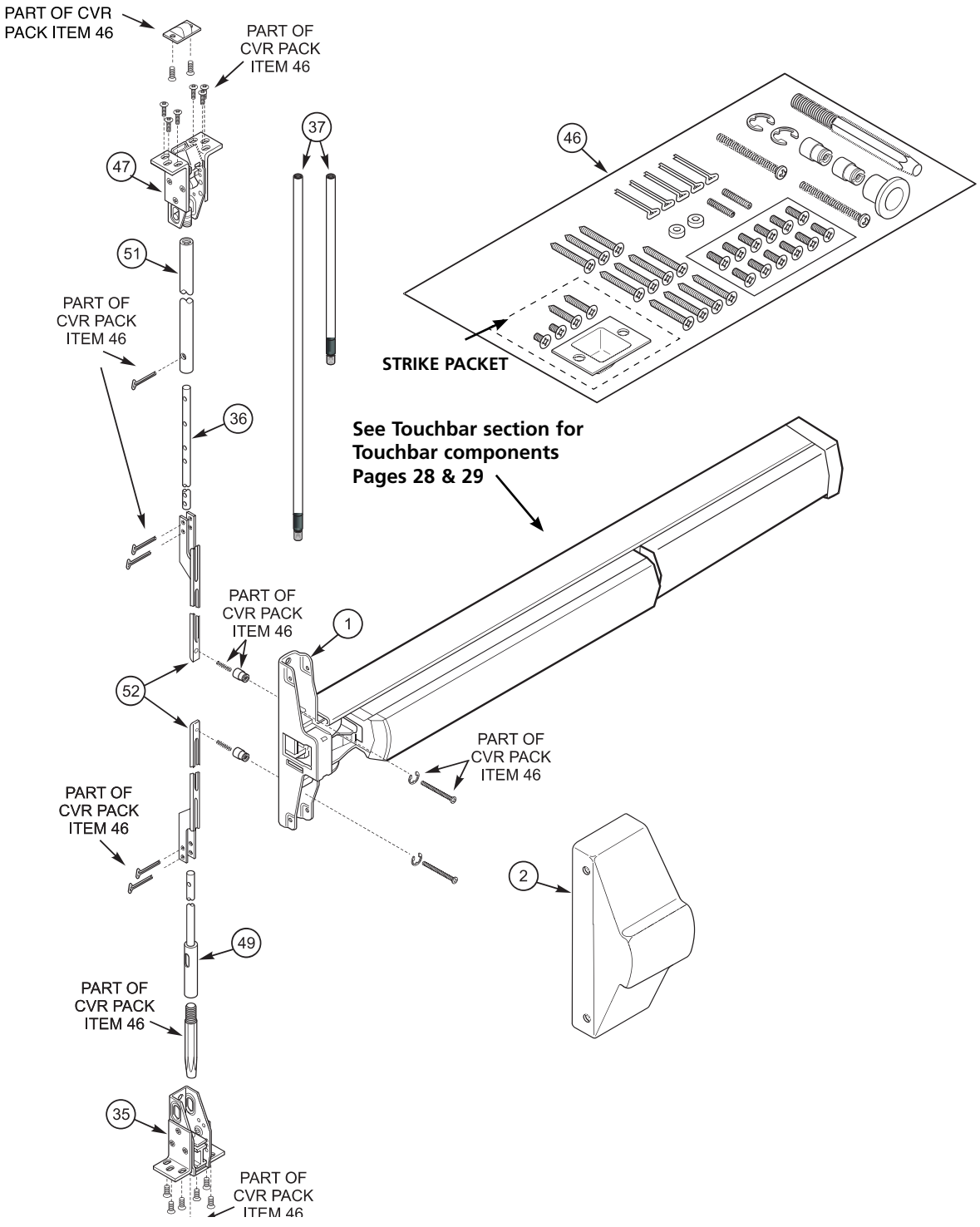
Item	Part No.	Description
		Active Head
1	650F438	ED5800(A) RHR
	650F448	ED5800(A) LHR
	650F458	ED4800 RHR
	650F468	ED4800 LHR
		Cover, Latch Assembly
2	650F02 x Fin	ED5800
	not available	ED5800A
	650F05 x Fin	ED4800
		Bottom Bolt Case
35	650F748	ED5800
	650F758	ED5800A
	650F768	ED4800
36	650F808	Top Rod
	707F268	CVR Pack for ED5800(A) & ED4800
		Consists of the following:
		Floor Bolt
		Strike
	650F548	Top Strike Packet
46		Pin, Rod Yoke (2)
		Set Screw, Yoke Pin
		Cotter Pin (5)
		Ring, Retaining (2)
		2" Temp Screw (2)
		Screw Pack
		Top Latch & Bracket Assembly
47	650F718	ED5800
	650F728	ED5800A
	650F738	ED4800
49	650F798	Bottom Rod & Coupler Assembly
51	650F818	Top Rod Tube
52	707F257	Arm & Bracket Assy (2)
53	654F208	Wood Screw Packet ***not shown***


STRIKE PACKET PART OF CVR PACK 46
47
ED5800(A) LATCH BRACKETS FOR METAL DOORS
51
PART OF CVR PACK 46
ED5800(A) & ED4800
46
See Touchbar section for Touchbar components Pages 28 & 29
36
STRIKE PACKET
PART OF CVR PACK ITEM 46
1
52
PART OF CVR PACK 46
PART OF CVR PACK 46
2
49
PART OF CVR PACK 46
35
PART OF CVR PACK 46
Difference in Latch Assembly
ED4800 HUB POSITION
ED5800(B) HUB POSITION
*7220 LATCH AND BRACKET
47
PART OF CVR PACK 46
2
35
PART OF CVR PACK 46

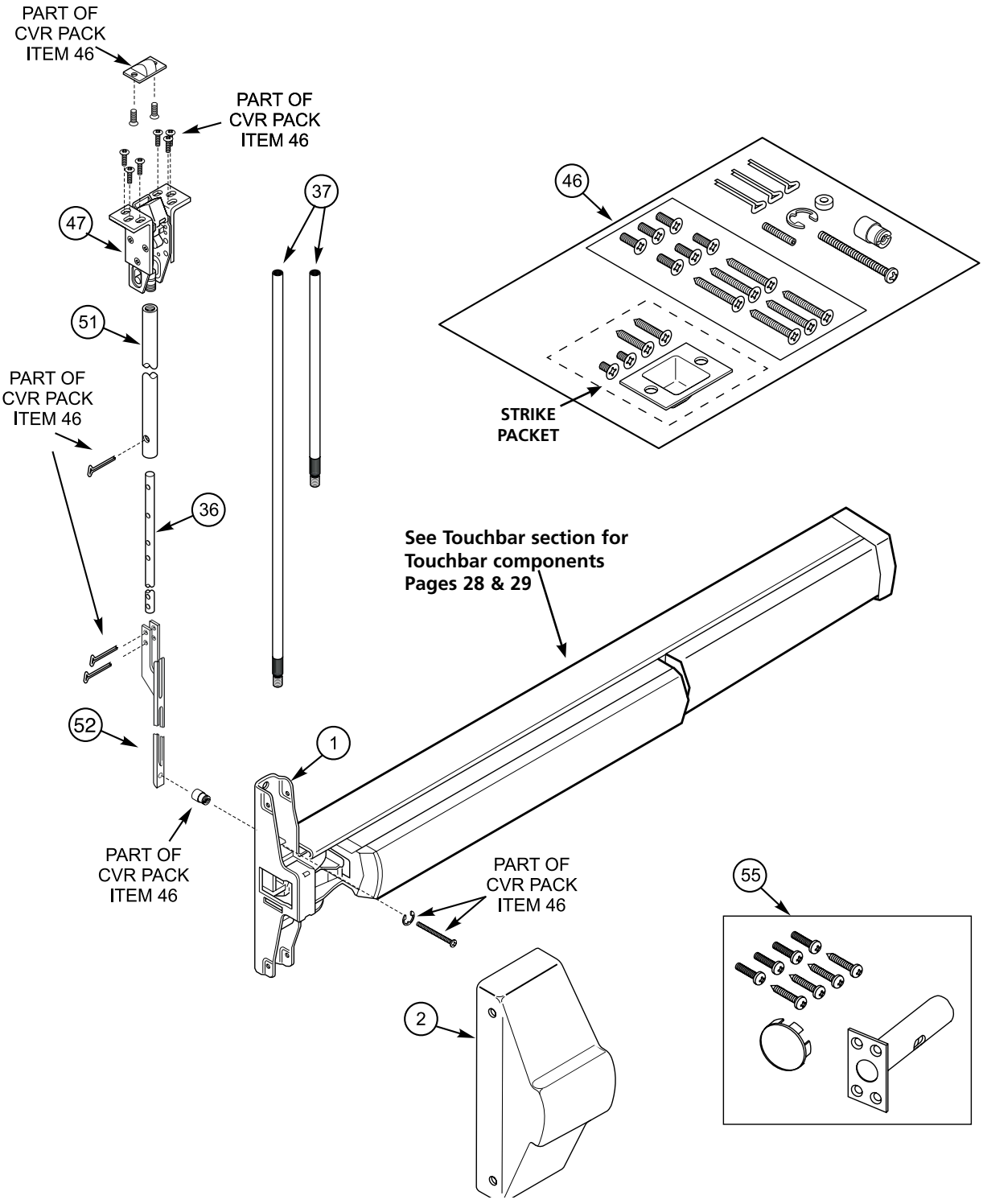
Item	Part No.	Description
1		Active Head
	650F458	ED4800M(A) RHR
	650F468	ED4800M(A) LHR
2		Cover, Latch Assembly
	650F05 x Fin	ED4800M
	not available	ED4800MA (UL)
		Bottom Bolt Case
35	650F748	ED4800M
	650F758	ED4800MA
36	650F808	Top Rod
46	707F268	CVR Pack
		Consists of the following:
		Floor Bolt
		Strike
	650F548	Top Strike Packet
		Pin, Rod Yoke (2)
		Set Screw, Yoke Pin
		Cotter Pin (5)
		Ring, Retaining (2)
		Screw Pack
		2" Temp Screw (2)
47		Top Latch & Bracket Assembly
	650F748	ED4800M
	650F758	ED4800MA
49	650F798	Bottom Rod & Coupler Assembly
51	650F818	Top Rod Tube
52	707F257	Arm & Bracket Assy (2)
53	654F208	ED4800M(A) Wood Screws (Optional)


TOP STRIKE PACKET PART OF CVR PACK ITEM 46
46
47
ED4200M(A) LATCH BRACKETS FOR METAL DOORS
51
STRIKE PACKET
PART OF CVR PACK ITEM 46
36
See Touchbar section for Touchbar components Pages 28 & 29
PART OF CVR PACK ITEM 46
1
52
PART OF CVR PACK ITEM 46
2
49
PART OF CVR PACK ITEM 46
Latch Assembly
35
ED4800M(A) HUB POSITION
PART OF CVR PACK ITEM 46

Item	Part No.	Description
1		Latch Case Assembly
	650F438	ED5860(B) RHR
	650F448	ED5860(B) LHR
2		Cover, Latch Assembly
	650F02 x Fin	ED5860
	Not Available	ED5860B (UL)
35	650F748	Bottom Bolt Case ED5860
	650F758	Bottom Bolt Case ED5860B
36	650F808	Top Rod
		Rod Extension Assembly
37	655F17 x Fin	12" Rod Assembly
	684F42 x Fin	24" Rod Assembly
46	698F048	CVR Pack
		Consists of the following:
		Floor Bolt
		Strike
	681F778	Top Strike Packet
		Pin, Rod Yoke (2)
		Set Screw, Yoke Pin
		Yoke Pin Spacer (2)
		Cotter Pin (5)
		Ring, Retaining (2)
		Screw Pack
		2" Temp Screw (2)
49	650F798	Bottom Rod & Coupler Assembly
51	650F818	Top Rod Tube
52	707F257	Arm & Bracket Assy. (2)
53	654F208	ED5860 Wood Screws (Optional)


PART OF CVR PACK ITEM 46
PART OF CVR PACK ITEM 46
37
46
47
51
PART OF CVR PACK ITEM 46
STRIKE PACKET
36
See Touchbar section for Touchbar components Pages 28 & 29
PART OF CVR PACK ITEM 46
1
52
PART OF CVR PACK ITEM 46
PART OF CVR PACK ITEM 46
2
49
PART OF CVR PACK ITEM 46
35
PART OF CVR PACK ITEM 46

Item	Part No.	Description
1		Latch Case Assembly
	650F438	ED5860(B) RHR
	650F448	ED5860(B) LHR
2		Cover, Latch Assembly
	650F02 x Fin	ED5860
	Not Available	ED5860B (UL)
36	650F808	Top Rod
37		Rod Extension Assembly
	655F17 x Fin	12" Rod Assembly
	684F42 x Fin	24" Rod Assembly
46	698F058	CVR Pack
		Consists of the following:
	681F778	Top Strike Packet
		Pin, Rod Yoke (1)
		Set Screw, Yoke Pin
		Yoke Pin Spacer (1)
		Cotter Pin (3)
		Ring, Retaining (1)
		Screw, 10-24 x 1/2 FHM-PH (6)
		8x32x2 Temp Screw (1)
47	681F768	Top Latch & Bracket Assembly, ED5860(B)
51	650F818	Top Rod Tube
52	707F257	Arm & Bracket Assembly (1)
55	744F688	Popper Pack (Fire Rated Only)
56	654F208	Wood Screws (Optional)


PART OF
CVR PACK
ITEM 46
PART OF
CVR PACK
ITEM 46
47
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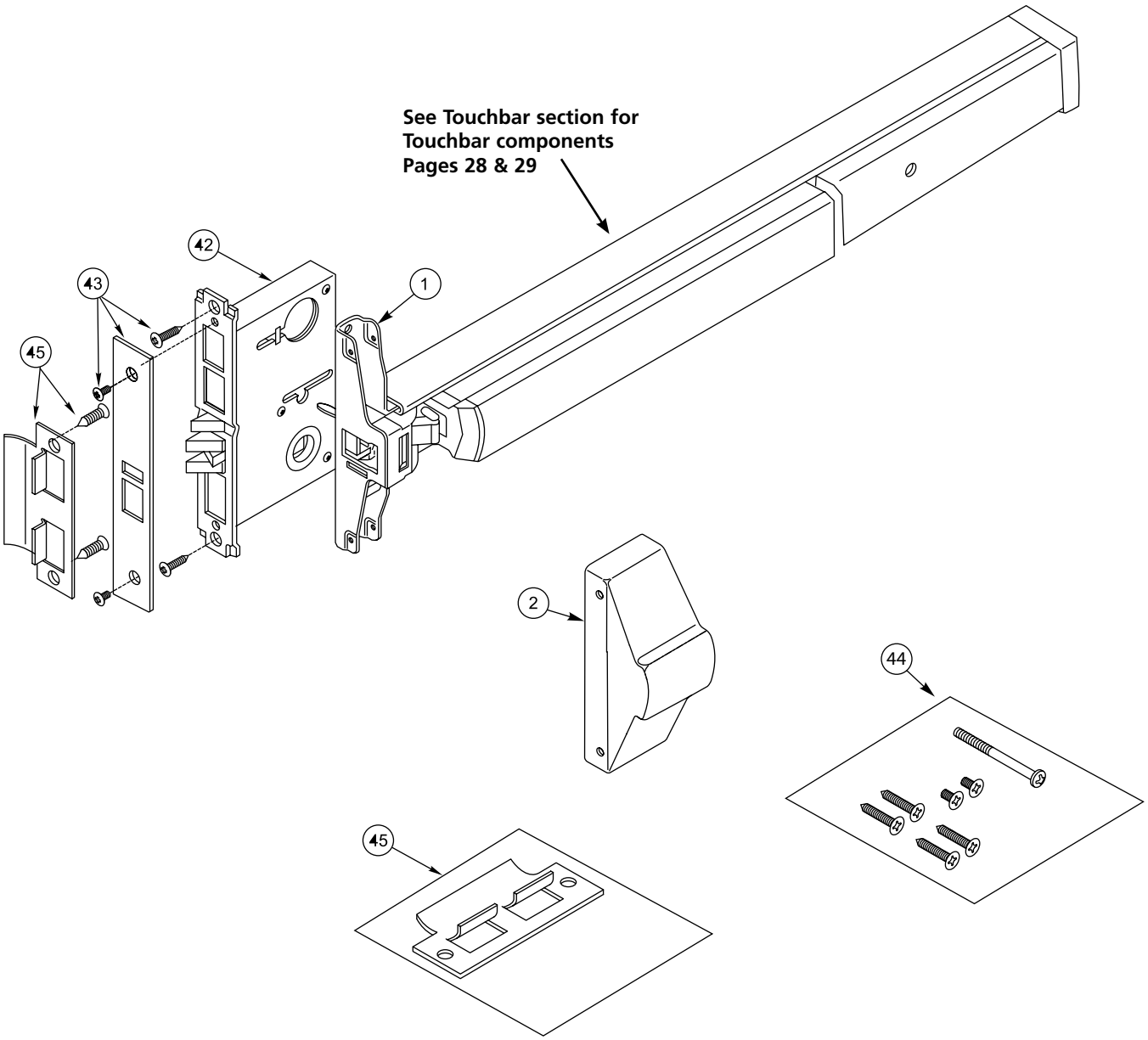
51
PART OF
CVR PACK
ITEM 46
STRIKE
PACKET
36
See Touchbar section for
Touchbar components
Pages 28 & 29
52
1
PART OF
CVR PACK
ITEM 46
PART OF
CVR PACK
ITEM 46
55
2

Item	Part No.	Description
1	706F098	Active Head ED5602(A) RHR
	706F108	Active Head ED5602(A) LHR
	650F428	ED5600(A)
2	706F15	Cover ED5602 RHR
	706F16	Cover ED5602 LHR
	650F02 x Fin	ED5600
	Not Available	ED5600A
42		Mortise Lock Body Specify Hand
	678F008 x Hand	ED5600T(A)
	650F678 x Hand	ED5657K(A), ED5657T(A), ED5657K(A)
	655F488 x Hand	ED5600K(A)
	655F698 x Hand	ED5600L(A)
43	650F06 x Fin	Armored Front
45	650L657020622	Strike Packet
46	706F485	Cylinder Housing ED5602(A) ***Not Shown***
47	706F462	Mortise Cylinder Adapter ED5602(A) ***Not Shown***
48	429F41 x FIN	Mounting Pack
		Screw, 8-32 x 1/4 UFPHMS (2)
		Screw, #12/12-24 Comb.UFPHMS (2) & Cyl
49		Open Back Strike - Optional
	653L163016 622	Straight Lip 1-3/4 Door
	653L183016 622	Curved Lip 1-3/4 Door
50	654F208	Wood Screws


See Touchbar section for
Touchbar components
Pages 28 & 29
42
43
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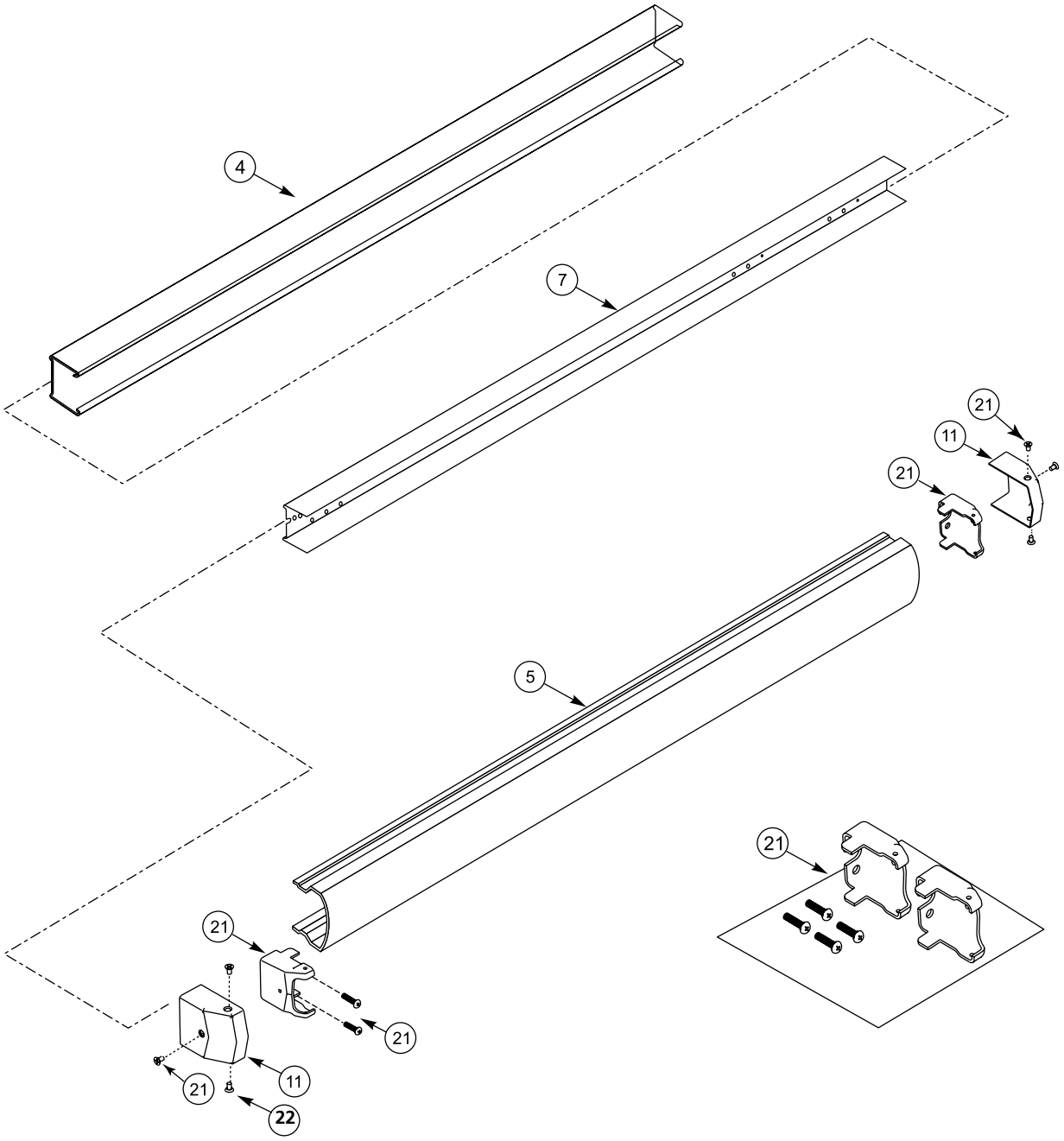
Item	Part No.	Description
4	650F21 x Fin	Bottom Rail, 48"
5	650F93 x Fin	Cover
7	650F998	Carrier Bar
11	704F642 x Fin	End Cap (2)
21	704F648	Device Mounting Pack (2) ***Consists of the following:*** End Clamp Screw, 1/4-20 X 1 PPHMS
22	704F63 x Fin	Packet, Cover Screw
23	654F208	Wood Screw Packet ***not shown***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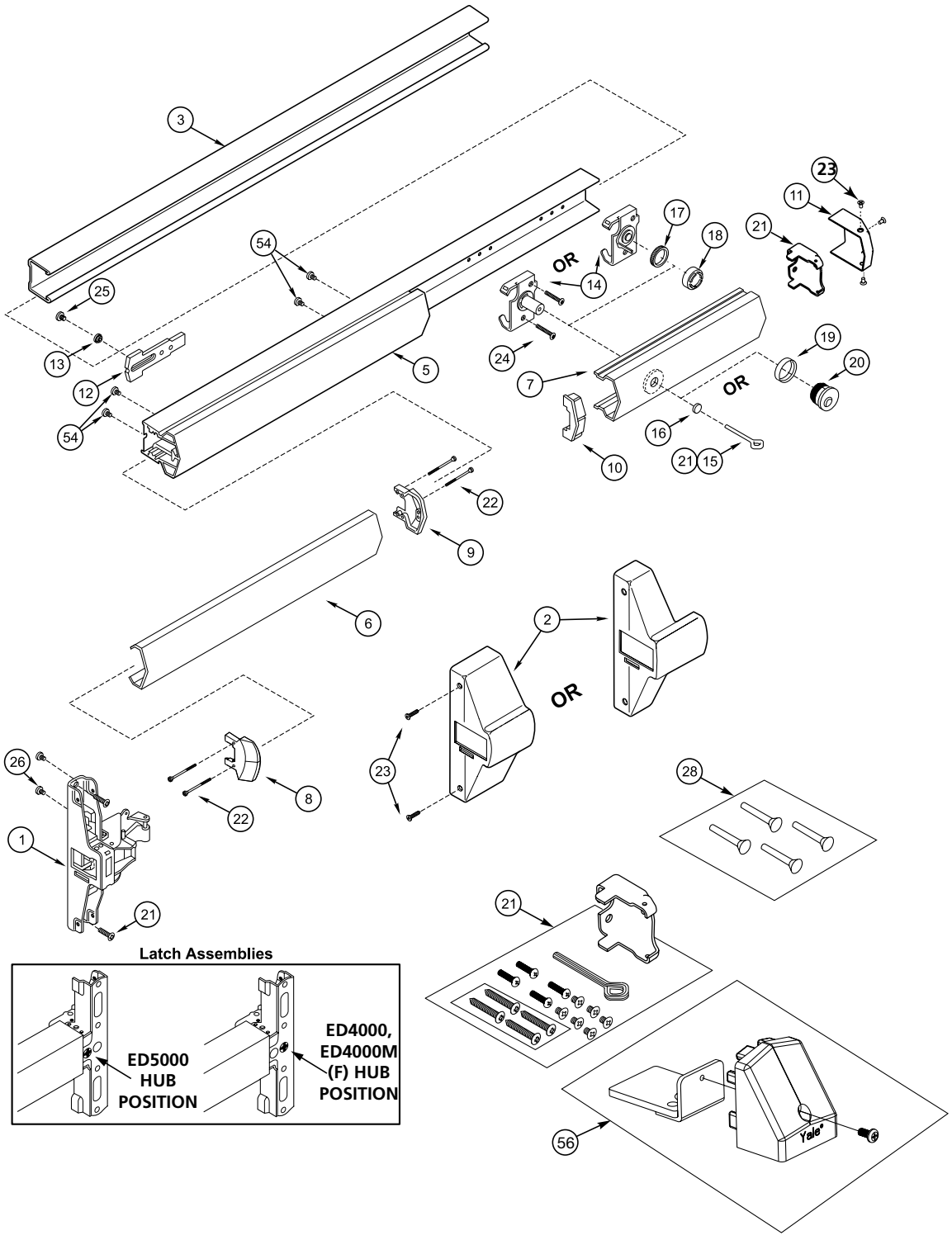
Item	Part No.	Description
1	See specific devices - pgs. 4-26	Active Heads
2	See specific devices - pgs. 4-26	Active Heads Covers
3		Bottom Rail
	691F16 Fin	24" ED4000
	656F75 Fin	24" ED5000
	650F20 FIn	36" ED4000
	650F19 Fin	36" ED5000
	650F21 Fin	48" ED4000, ED5000, ED5000DB
5		Bar & Carrier Assembly
	691F148	24" ED4000
	656F768	24" ED5000
	650F238	36" ED4000
	650F228	36" ED5000
	650F248	48" ED4000, ED5000
	650F998	48" ED5000DB
6		Cover, Bar
	656F72 Fin	24" ED4000, ED5000
	650F07 Fin	36" ED4000, ED5000
	650F08 Fin	48" ED4000, ED5000
	676F29 Fin	24" ED4000, ED5000 Embossed (M22)
	656F69 Fin	36" ED4000, ED5000 Embossed (M22)
	656F70 Fin	48" ED4000, ED5000 Embossed (M22)
	710F797	24" ED4000, ED5000 Photoluminescent (M49)
	710F737	36" ED4000, ED5000 Photoluminescent (M49)
	710F747	48" ED4000, ED5000 Photoluminescent (M49)
7		Cover, End
	691F15 Fin	24" ED4000 Hexkey Dogging
	691F17 Fin	24" ED4000 Cylinder Dogging
	656F73 Fin	24" ED5000 Hexkey Dogging
	656F74 Fin	24" ED5000 Cylinder Dogging
	650F13 Fin	36" ED4000 Hexkey Dogging
	650F14 Fin	36" ED4000 Cylinder Dogging
	650F11 Fin	36" ED5000 Hexkey Dogging
	650F12 Fin	36" ED5000 Cylinder Dogging
	650F15 Fin	48" ED4000, ED5000 Hexkey Dogging
	650F16 Fin	48" ED4000, ED5000 Cylinder Dogging
	650F93 Fin	48" ED5000DB
8	711F685 622	Touch Pad Cap, Front
9	710F495 622	Touch Pad Cap, Rear
10	650F189	Bar Cap, Black Nylon
11	704F62 Fin	End Cap
12		Trim Slide
	650F489	All Except Mortise
	N/A	Mortise Trim Slide (attached to Active Head)
13		Trim Slide Retainer
	650F489	All Except Mortise
	694F848	Mortise Trim Slide Retainer

Item	Part No.	Description
1 4		Dogging Assembly
	650F528	HexKey (Standard)
	650F968	Cylinder Dogging
15	656F408	Dogging Key (5/32" Hex)
16	650F279	Dogging Hole Plug
17	697F862	Cylinder Nut
18	650F959	Cylinder Spacer
19		Collar, Dogging Cylinder
	None Required	1 1/8" Cylinder
	270F15 x Fin	1-1/4" Cylinder
	610F02 x Fin	1-3/4" Cylinder
	654F07 x Fin	1-1/2" Cylinder
20		Cylinder Dogging Cylinder
	As Ordered	Mortise Cylinder x A02 Cam
21		End Clamp Packet
	704F648	All except SecureBolt
	704F658	SecureBolt Devices
22	650F288 622	Screw, Touchbar Caps (4)
23	704F63 Fin	Screw Pack, Ecn Cap & Active Head Cover #8-32 x 5/8" PHT-PH
24	711F608	Screw Dogging Assembly (2) #10-32 x 1/2" PHT-PH (1)
25	650F508	Screw, Trim Slide #8-32 x 1/2" FHT-PH (1)
26	650F518	Screw, Active Head to Carrier #8-32 x 1/4" PHT-C-PH (2)
28	650F298 Fin	Sex Nut Packet (4-SNB's) ED5200(A) S
	681F698 Fin	SecureBolt (6SNB's) ED5200SA
56	704F888	High Impact End Clamp (M109) Optional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Yale
Latch Assemblies
ED5000
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ED4000,
ED4000M
(F) HUB
POSITION

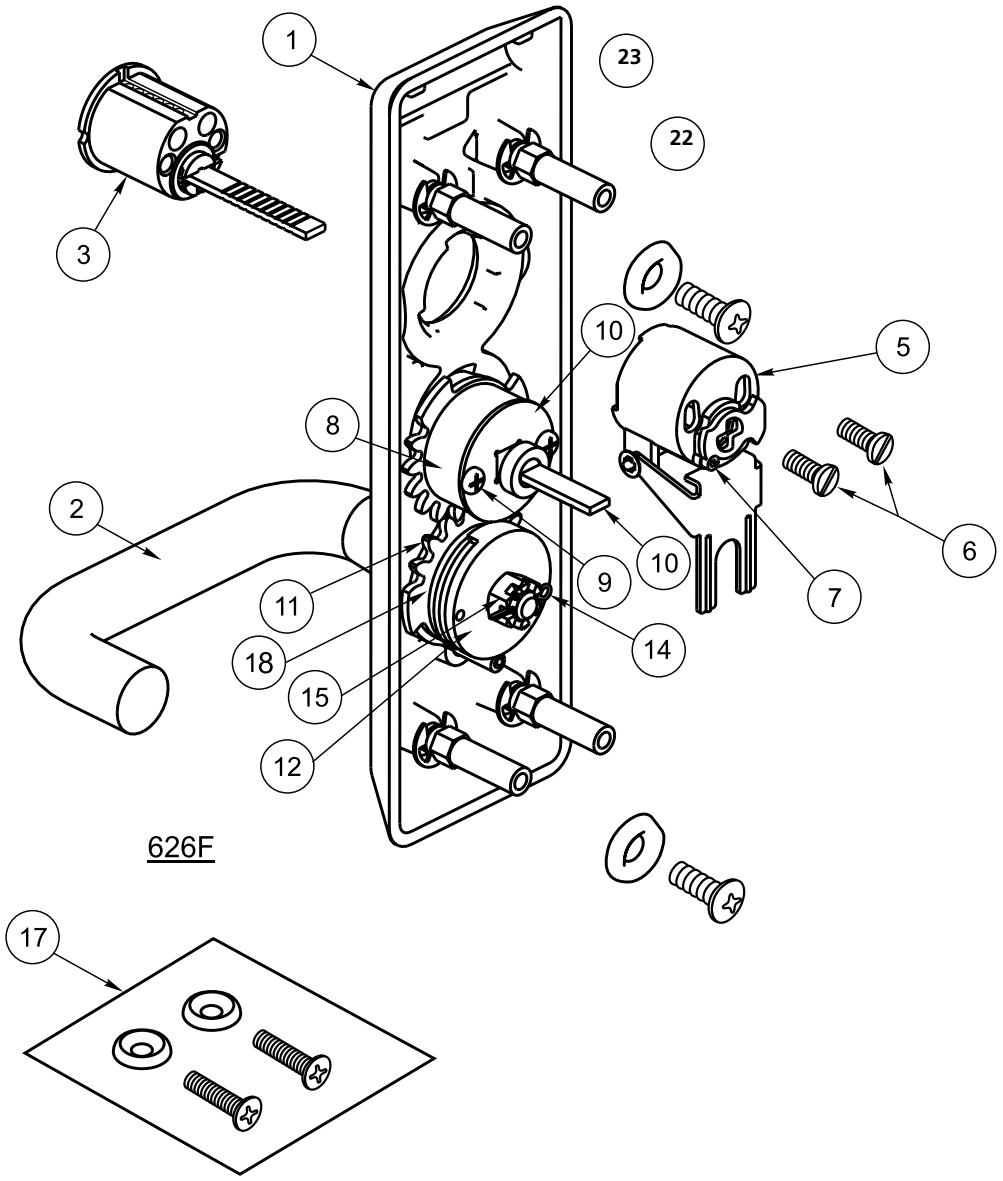
Item	Part No.	Description
1		Escutcheon
		(All other knobs/levers)
	677F00 x Fin	*910, *950
	677F01 x Fin	*955, *959
		Escutcheon
		(Museo Levers)
	806F00 x Fin	*910, *955
	806F01 x Fin	*955, *959
		Parabolic Escutcheon
		(All other knobs/levers)
	708F26 x Fin	*910, *950
	708F23 x Fin	*955, *959
		Parabolic Escutcheon
		(Museo Levers)
	806F03 x Fin	*910, *950
	806F04 x Fin	*955, *959
2		Lever and Spindle (non-Muséo)
	677F04 X Fin	Lustra
	677F05 X Fin	Newport
	677F13 X Fin	Essex
	677F14 X Fin	Regis
	677F15 X Fin	Citation
	677F16 X Fin	Armstrong
	677F26 X Fin	Dirke RHR
	677F27 X Fin	Dirke LHR
	677F28 X Fin	Princeton
	698F31 X Fin	Tuscany
	698F32 X Fin	Merlot
	698F64 X Fin	Frascati RHR
	698F66 X Fin	Frascati LHR
	698F68 X Fin	Zinfandel RHR
	698F70 X Fin	Zinfandel LHR
		Knob & Spindle SA
	656F45 X Fin	Global
3	***See Chart Page ??***	Rim Cylinder
5	651F675	Cylinder Housing (*955, *959)
6	655F028	Screw Cylinder Mounting (2)
7	Included with Cylinder Housing	Function Selector Screw (*955, *959)
8	651F638	Driven Gear Assembly
9	651F508	Screw, Tailpiece Plate (2)

Item	Part No.	Description
10		Tailpiece Assembly
	677F068	1 3/4" Door w/o Shim Kit
	655F708	2 -21/4" Door or Std. Door w/Shim Kit
	701F648	2 1/2"-3 1/2" Door
	701F658	3 1/2"-4 1/2"
11		Gear, Drive
	651F648	Lever
	677F258	Knob
12	677F085	Hub, Spring Retaining
14	677F098	Cotter Pin
15	677F078	Nut, Spindle
16		Bushing, Nylon
	677F029	Lever (All except Museo)
	651F389	Knob
	806F069	Lever - Museo
17		Screw Pkt., Mtg.
	652F128 x Fin	1 3/4"-2" Doors
	652F138 x Fin	2"-2 1/4" Doors
18		Torsion Springs ***not shown***
	651F618	Lever, LHR (Red)
	651F628	Lever RHR (Blue)
	651F758	Knob
19	651F408	Compression Spring (Under tailpiece) ***not shown***
20	651 F398	Hex Nut Bushing for Spring ***not shown***
21	651F708	Bushing, Spacer
22	651F438	Threaded Post (4)
23	386F018	Retaining Ring (under threaded post)
24	677F128	Set Screw (1) 1/4"-20 x 1" ***not shown***
26	677F118	Set Screw (10 1/4"-20 x 5/8" (hex nut bushing) ***not shown***

Part No.	Description
800R02 x Fin	101
800R807 x Fin	102
800R12 x Fin	103
800R17 x Fin	104
800R22 x Fin	105
800R27 x Fin	106
800R32 x Fin	107
800R37 x Fin	108
800R42 x Fin	109
800R47 x Fin	110
800R52 x Fin	111 RHR
800R57 x Fin	111 LHR
800R62 x Fin	112 RHR
800R67 x Fin	112 LHR
800R72 x Fin	113 RHR
800R77 x Fin	113 LHR
800R82 x Fin	114 RHR
800R87 x Fin	114 LHR
800R92 x Fin	115 RHR
800R97 x Fin	115 LHR
801R02 x Fin	116 RHR
801R07 x Fin	116 LHR
801R12 x Fin	117
801R17 x Fin	118 RHR
801R22 x Fin	118 LHR
801R27 x Fin	119 RHR
801R32 x Fin	119 LHR
801R37 x Fin	120
801R42 x Fin	121 RHR
801R47 x Fin	121 LHR
801R52 x Fin	122 RHR
801R57 x Fin	122 LHR
801R62 x Fin	123
801R72 x Fin	124
801R77 x Fin	125
801R82 x Fin	126 RHR
801R87 x Fin	126 LHR
801R92 x Fin	127 RHR
801R97 x Fin	127 LHR
802R02 x Fin	128
802R07 x Fin	129
802R12 x Fin	130 RHR
802R17 x Fin	130 LHR

Part No.	Description
800R22 x Fin	131 RHR
800R827 x Fin	131 LHR
800R32 x Fin	132 RHR
800R37 x Fin	132 LHR

Part No.	Description
802R46	629 21G 29 29 29
803R56	629 21G 29 30 29
804R91	630 21G 30 30 30
804R96	630 21G 30 29 30
802R82	630 21L 30 BK 30
802R87	630 21L 30 BN 30
802R92	629 21L 29 BK 29
807R97	629 21L 29 BN 29
803R02	629 21M 29 30 29
803R07	630 21S 30 BK 30
803R12	629 21S 29 BK 30
803R17	630 21W 30 BH 30
803R22	629 21W 29 BH 29
803R27	629 23M 29 00 30
803R42	629 23M 29 00 29
803R47	630 23M 30 00 30
803R52	630 23M 30 00 29
803R32	629 25M 29 00 29
803R37	630 25M 30 00 30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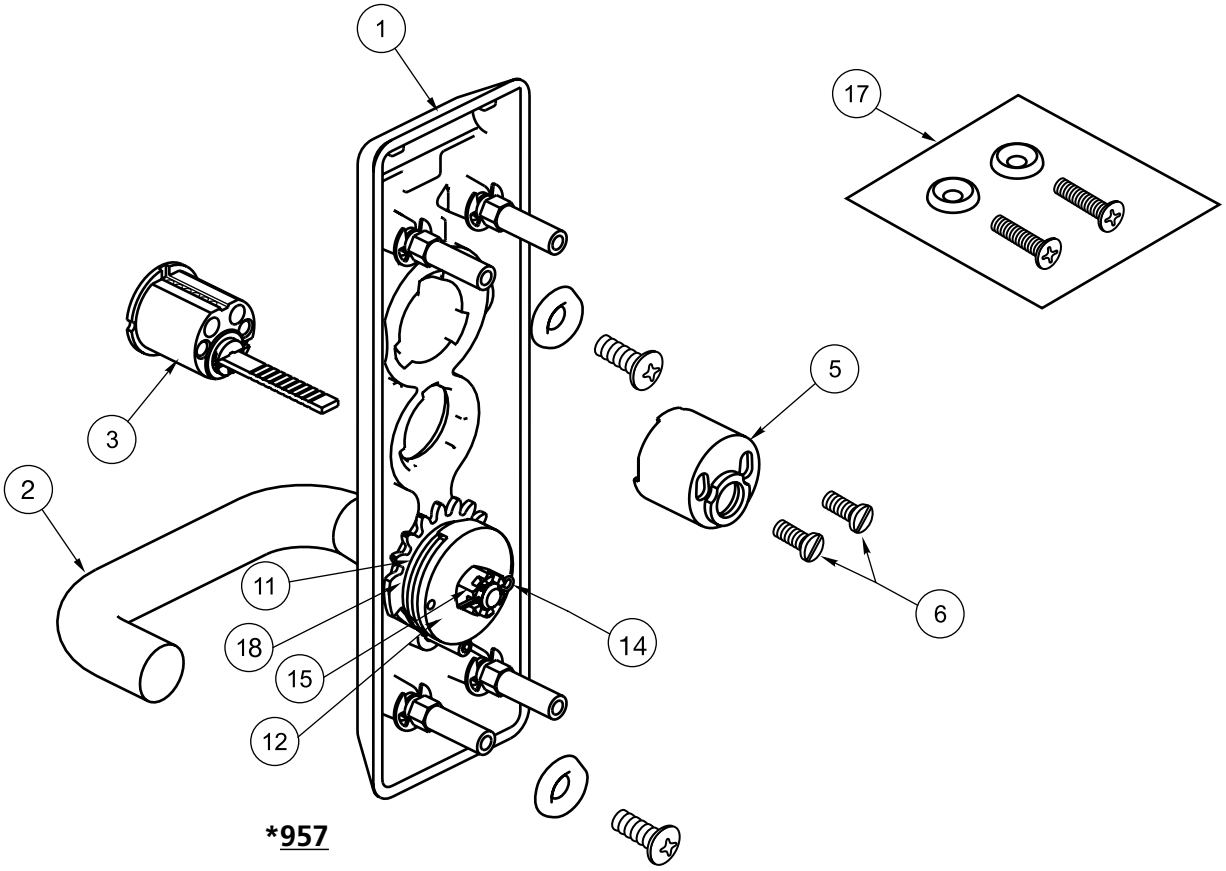
Item	Part No.	Description
1		Escutcheon Assy. 623F, 627F
	6951F18 x Fin	Standard
	806F02 x Fin	Museo
	708F25 x Fin	Standard Parabolic
	806F05 x Fin	Museo Parabolic
2	***See Chart page 30a***	Lever / Knob ***See pg 30a***
3	***See Chart Page 61***	Cylinder, Rim*
5	651F425	Housing, Cylinder
6	655F028	Screw, Cylinder Mounting (2)
11	651F648	Gear, Drive
12	677F085	Spring Retainer Hub
14	677F098	Cotter Pin
15	677F078	Nut, Spindle
16	677F029	Bushing Lever
		Screw Packet, Mtg.
17	652F128 x Fin	1-3/4" - 2" Doors
	652F138 x Fin	2-1/4" Doors
18		Spring, Grip Return
	651F758	Knob ***Not Shown***
	651F628	Lever Return Spring RHR
	651`F618	Lever Return Spring LHR

*See page 61 for cylinder collar applications.

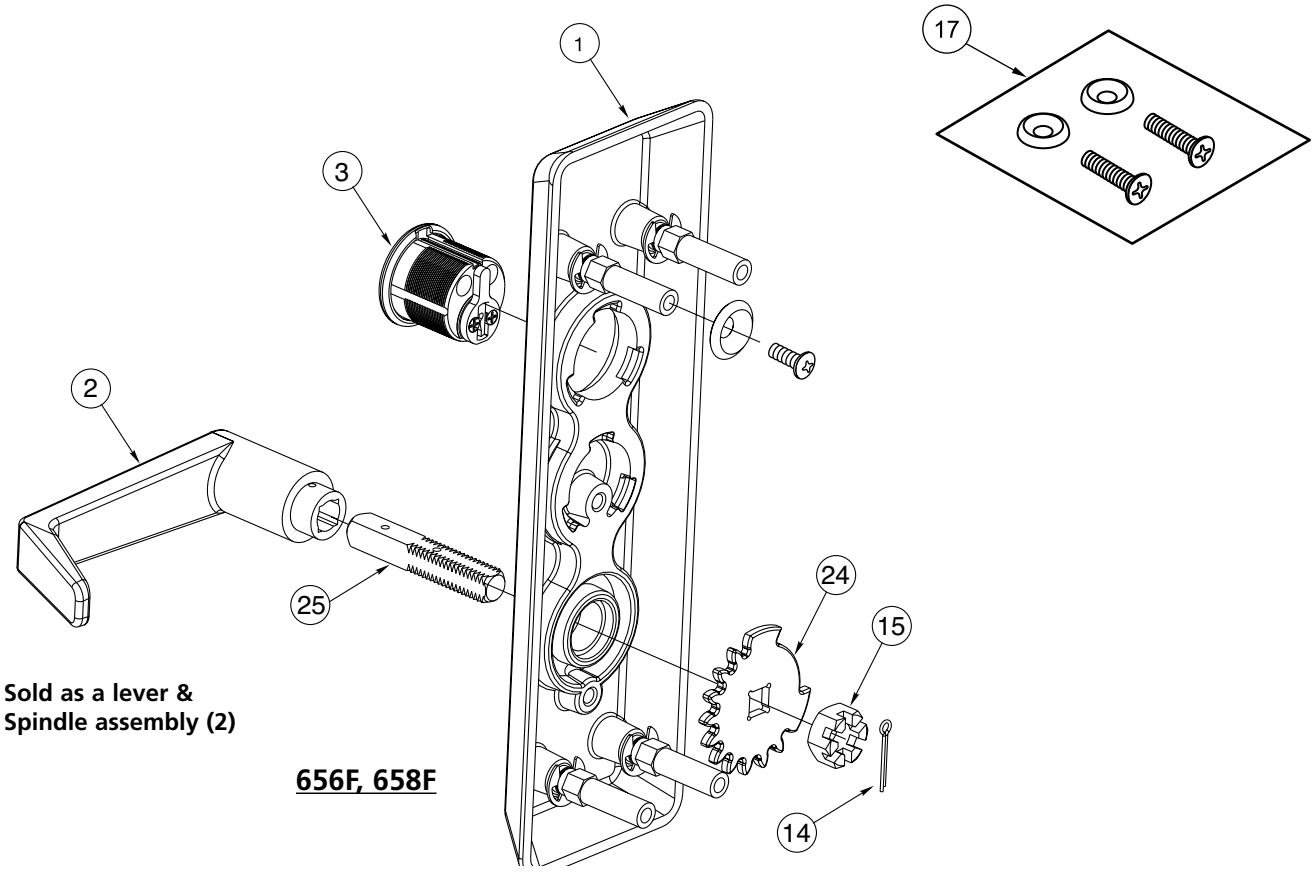


***957**

Item	Part No.	Description
		Escutcheon Assembly
1	677F01 x Fin	Cylinder x Lever or Knob
	677F00 x Fin	Blank x Lever or Knob
		Escutcheon Assembly Museo
	806F01 x Fin	Lever & Cylinder Hole
	806F00 x Fin	Lever Hole Only
2	653F50 x Fin	Essex
	653F53 x Fin	Lustra
	653F56 x Fin	Regis
	653F59 x Fin	Citation
	653F62 x Fin	Dirke RHR
	653F65 x Fin	Dirke LHR
	653F68 x Fin	Newport
	653F71 x Fin	Armstrong
	653F74 x Fin	Princeton
	698F32 x Fin	Tuscany
	698F34 x Fin	Merlot
	698F65 x Fin	Frascati RHR
	698F67 x Fin	Frascati LHR
	698F69 x Fin	Zinfandel RHR
	698F71 x Fin	Zinfandel LHR
	800Y02 x Fin	101
	800Y07 x Fin	102
	800Y12 x Fin	103
	800Y17 x Fin	104
	800Y22 x Fin	105
	800Y27 x Fin	106
	800Y32 x Fin	107
	800Y37 x Fin	108
	800Y42 x Fin	109
	800Y47 x Fin	110
	800Y52 x Fin	111 RHR
	800Y57 x Fin	111 LHR
	800Y62 x Fin	112 RHR
	800Y67 x Fin	112 LHR
	800Y72 x Fin	113 RHR
	800Y77 x Fin	113 LHR
	800Y82 x Fin	114 RHR
	800Y87 x Fin	114 Lhr
	800Y92 x Fin	115 RHR
	800Y97 x Fin	115 LHR
	801Y02 x Fin	116 RHR
	801Y07 x Fin	116 LHR
	801Y12 x Fin	117

Item	Part No.	Description
2 cont.	801Y17 x Fin	118 RHR
	801Y22 x Fin	118 LHR
	801Y27 x Fin	119 RHR
	801Y32 x Fin	119 LHR
	801Y37 x Fin	120
	801Y42 x Fin	121 RHR
	801Y47 x Fin	121 LHR
	801Y52 x Fin	122 RHR
	801Y57 x Fin	122 LHR
	801Y62 x Fin	123
	801Y72 x Fin	124
	801Y77 x Fin	125
	801Y82 x Fin	126 RHR
	801Y87 x Fin	126 LHR
	801Y92 x Fin	127 RHR
	801Y97 x Fin	127 LHR
	802R02 x Fin	128
	802R07 x Fin	129
	802R12 x Fin	130 RHR
	802R17 x Fin	130 LHR
	802R22 x Fin	131 RHR
	802R27 x Fin	131 LHR
	802R32 x Fin	132 RHR
	802R37 x Fin	132 LHR
	802Y467	629 21G 29 29 29
	803Y567	629 21G 29 30 29
	804Y917	630 21G 30 30 30
	804Y967	630 21G 30 29 30
	802Y827	630 21L 30 BK 30
	802Y877	630 21L 30 BN 30
	802Y927	629 21L 29 BK 29
	802Y977	629 21L 29 BN 29
	803Y027	629 21M 29 30 29
	803Y077	630 21S 30 BK 30
	803Y127	629 21S 29 BK 29
	803Y177	630 21W 30 BH 30
	803Y227	629 21W 29 BH 29
	803Y277	629 23M 29 00 30
	803Y427	629 23M 29 00 29
	803Y477	630 23M 30 00 30
	803Y527	630 2M 30 00 29
	803Y327	629 25M 29 00 29
	803Y377	630 25M 30 00 30
	804Y837	629 27M 29 00 29
	804Y877	630 27M 30 00 30

Item	Part No.	Description
3	***See Chart page 60***	Cylinder, Mortise*
14	677F098	Cotter Pin
15	698F088	Nut, Spindle
16		Thimble Insert, Nylon ***Not Shown***
	677F029	Levers
	651F389	Knob
	806F069	Museo
17		Screw Packet, Mtg.
	652F128 x Fin	1-3/4" - 2" Doors
	652F138 x Fin	2-1/4" Doors
		Consists of the following:
		Screw, 1/4-20 x 1 OPHMS (2)
		Washer, #14 Finish (2)
24	651F648	Gear
25		Spindle
	698F108	1-3/4" - 2-1/4"

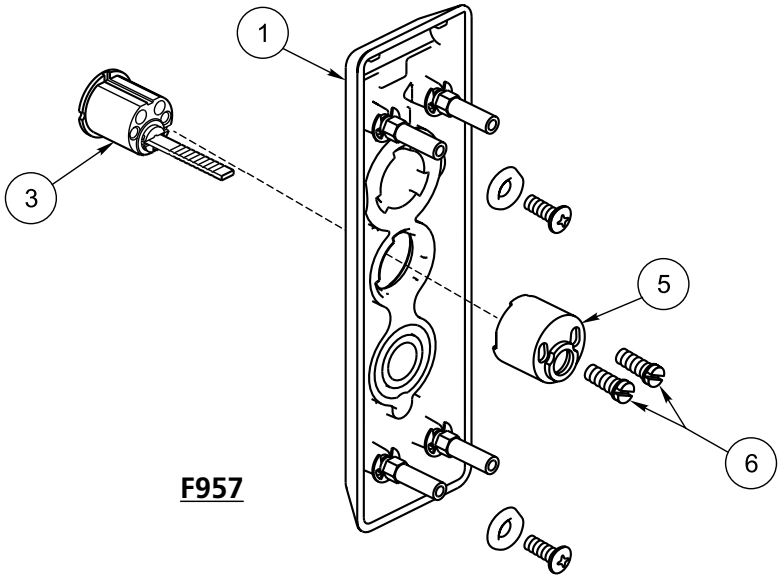


**Sold as a lever &
Spindle assembly (2)**

656F, 658F

Item	Part No.	Description
1		Escutcheon Standard
	676F04 x Fin	F950
	676F03 x Fin	F957
	694F76 x Fin	F9M57
		Escutcheon Parabolic
	708F20 x Fin	F950
	708F24 x Fin	F957
	708F22 x Fin	F9M57
3	***See Chart Page 61***	Cylinder, Rim or Mortise*
5	651F425	Housing, Cylinder F957
6	655F028	Screw, Cylinder F957 Mounting (2)
17		Screw Packet, Mtg.
	651F128 x Fin	1-3/4"- 2" DOor
	651F138 x Fin	2-1/4" Door
		Consists of the following:
		Screw, 1/4-20 x 1 OPHMS (2)
		Washer, #14 Finish (2)
22	651F438	Threaded Post (4)
23	386F018	Retaining Ring (4)

* See page 61 for cylinder collar applications



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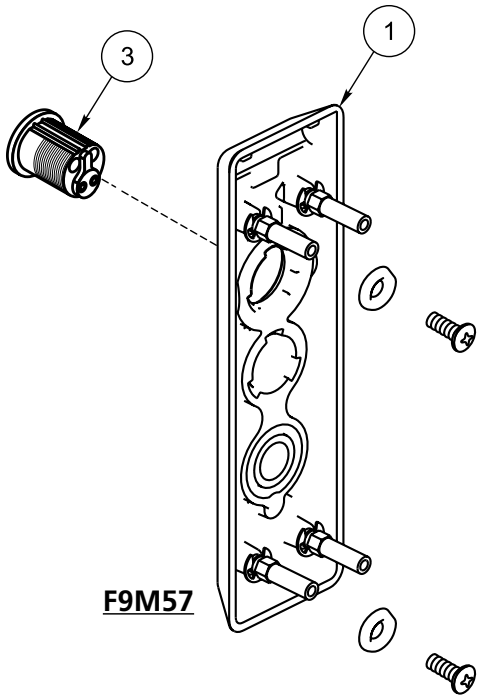

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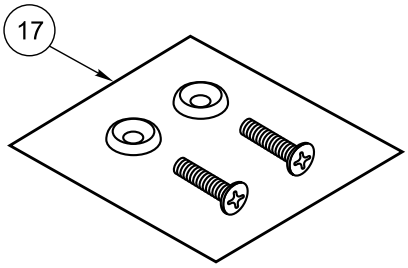

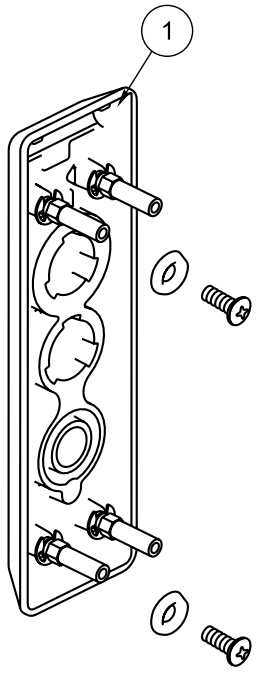

F950

(EO) Blank Plate	**(NL) Access by Key**	**(NL) Access by Key**
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F950	F957	F9M57

need artwork

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need artwork

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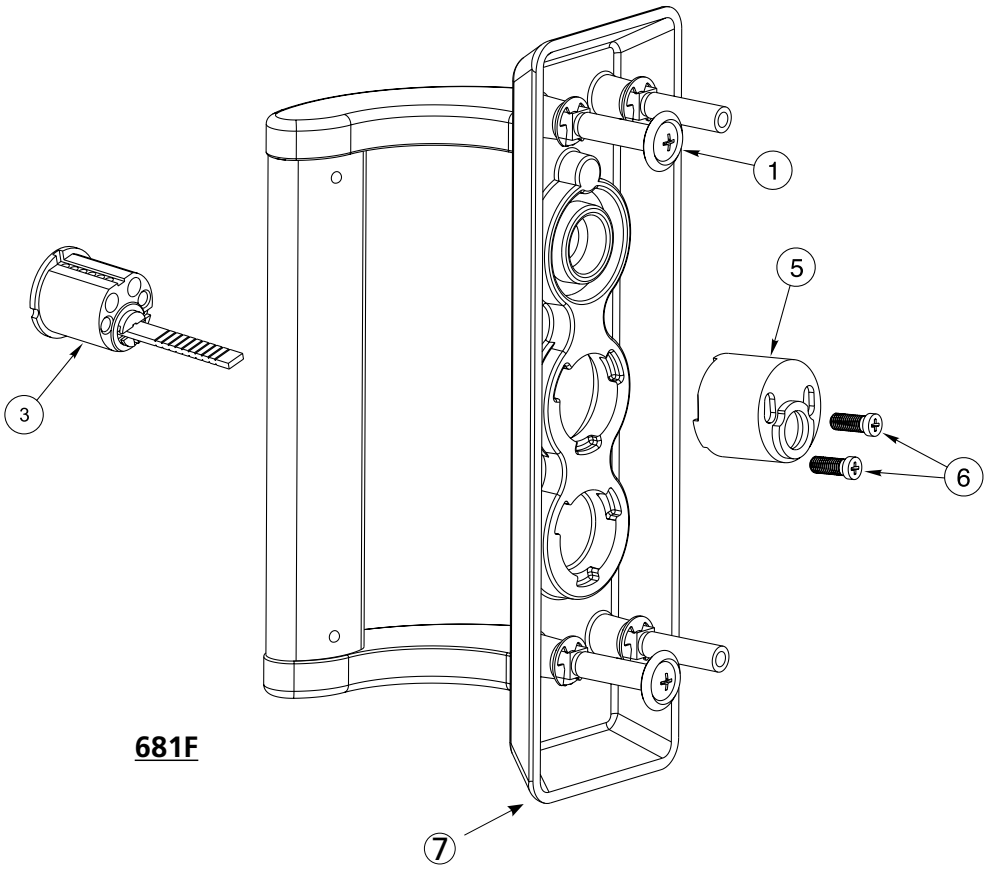

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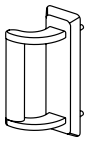
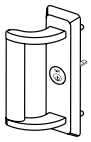
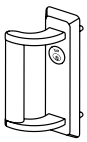
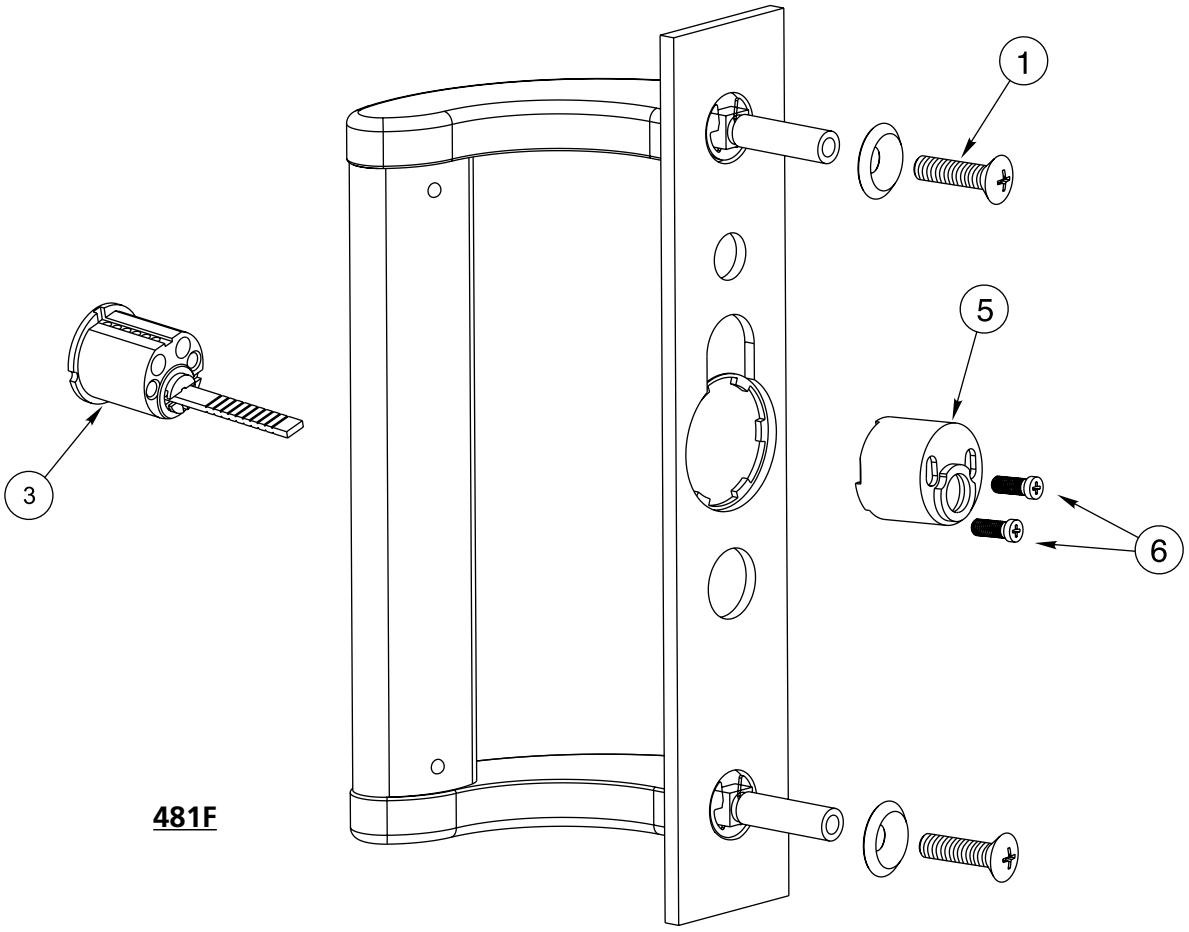
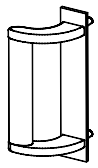
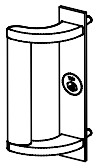
		
Dummy Pull	**Nightlatch**	**Mortise Nightlatch**
02	03	03
P950	P957	P9M57

Item	Part No.	Description
1	652F12 x Fin 652F13 x Fin	Screw Packet, Mtg. 1-3/4" - 2" Door 2-1/4" Door ***Consists of the following:*** Screw 1/4-20 x 1 OPHMS(2) Washer #14 Finish (2)
3	***See Chart Page 61***	Cylinder, Rim or Mortise
5	651F425	Housing, Cylinder (681F)
6	655F028	Screw, Cylinder Mtg. (2)
7	 711F22 x Fin 711F23 x Fin 7155F53 x Fin	Escutcheon & Pull Assembly P950 P957 P9M57



481F

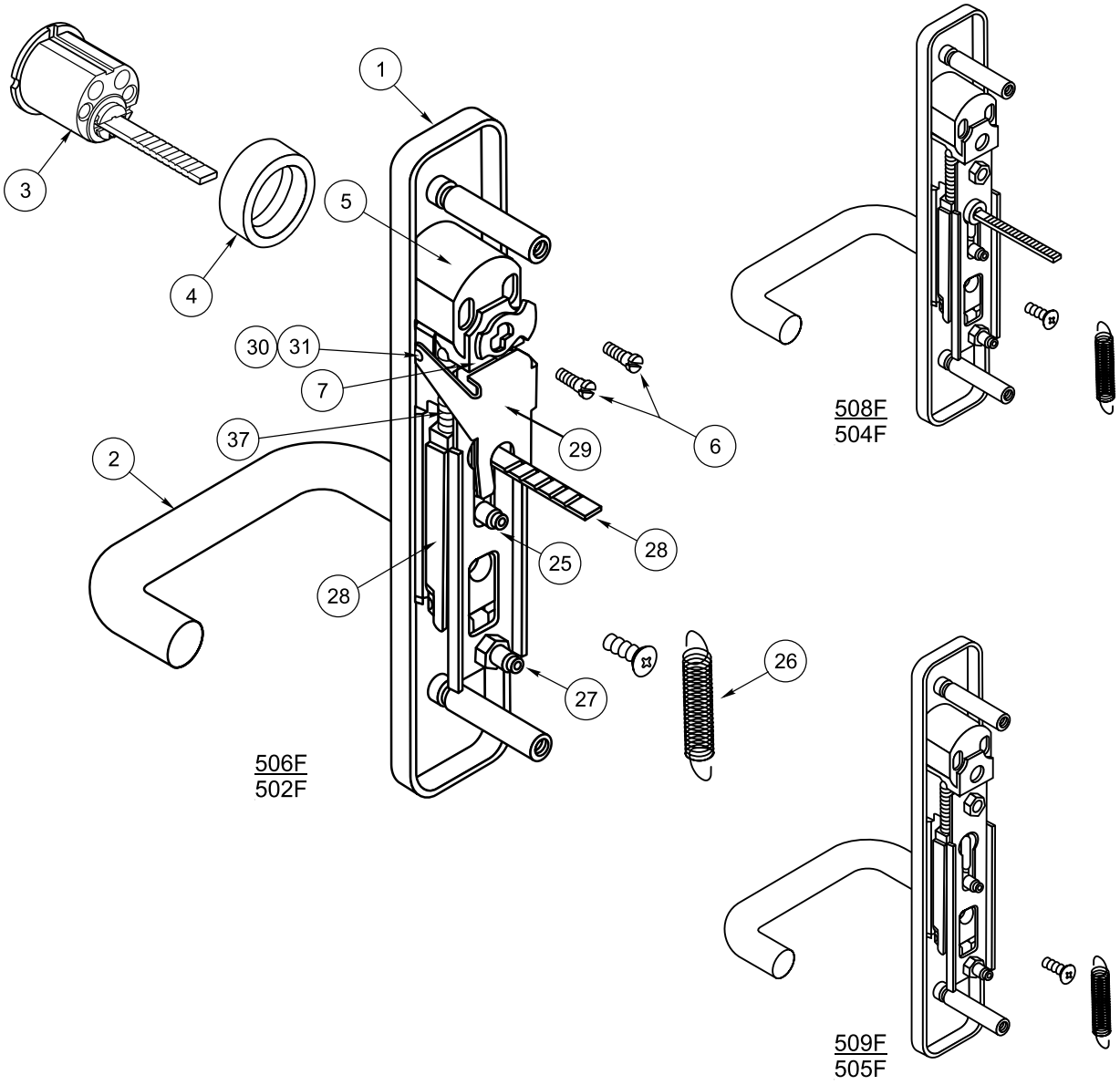
	
Dummy Pull	**Nightlatch**
02	03
P1050	P1057

Item	Part No.	Description
1		Screw Packet, Mtg. ***Consists of the following:*** Screw 1/4-20 x 1 OPHMS(2) Washer #14 Finish (2)
3	***See Chart Page 61***	Cylinder, Rim
5		Housing, Cylinder (651F425)
6		Screw, Cylinder Mtg. (2) (655F028)
7	676F12 x Fin	Escutcheon & Pull Assembly (P1050)
	676F13 x Fin	Escutcheon & Pull Assembly (P1057)

Item	Part No.	Description
1	 651F02 x Fin (Std. lever) 651F02 x Fin (Museo Lever) 651F03 x Fin (Std. lever) 651F03 x Fin (Museo lever)	Escutcheon Assembly *855, *859 *810, *850
2	***See Chart page 60***	Lever/Knob
3	***See Chart Page 61***	Rim Cylinder
4	***See Chart Page 61***	Cylinder Collar
5	 651F965 655F665	Housing & Cam Assembly *855, *859, Housing, Cyl. *810, *850
6	655F028	Screw, Cylinder Mounting (2)
7	656F658	Screw, NL Function
16		Thimble Insert, Nylon ***Not Shown***
19	651F408	Spring Under Tailpiece ***Not Shown***
25	651F858	Plate, Cover
26	651F948	Spring, Extension (Levers Only)
27	651F928	Nut, Spring Post (Levers Only)
28	 651F828 652F218	Rack & Tailpiece Assy. Levers/ Knobs *810, *855, *859 *850
29	651F538	Lever, Clutch
30	651F838	Pin, Clutch Lever
31	651F898	Retainer, Clutch Lever Pin (2)
32	651F888	Nut, Cover Plate (2) ***Not Shown***
33	652F228	Cain ***Not Shown***
34	652F239	Bushing, Nylon ***Not Shown***
35	651F848	Washer, Grip ***Not Shown***
36	651F878	Screw, 8-32 x 7/16, Spindle ***Not Shown***
37	 651F938 651F868	Spring, Rack (2) Lever Knob, Thumbturn
38	651F17 x Fin 806F22 x Fin	Thumble - Std. Levers ***Not Shown*** Thumble - Museo Levers ***Not Shown***

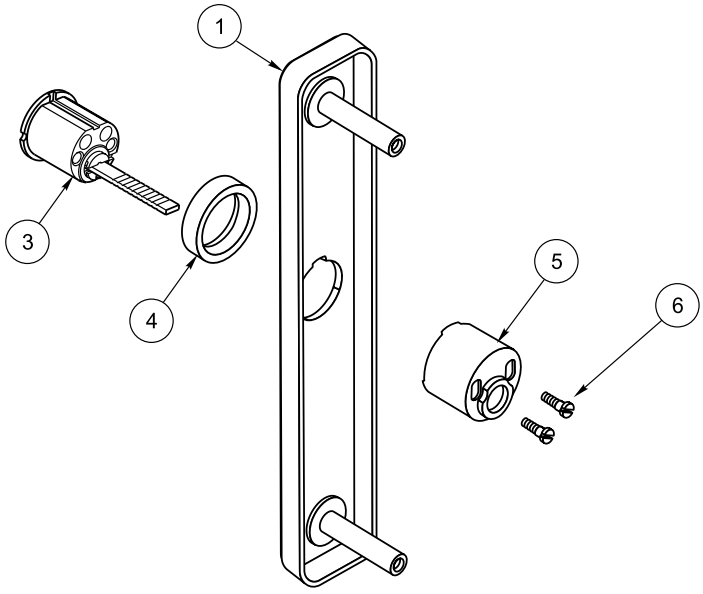
Item	Part No.	Description
2	656F46 x Fin	Global Knob & Spindle Assembly
	652F84 x Fin	Essex
	652F87 x Fin	Lustram
	652F90 x Fin	Regis
	652F93 x Fin	Citation
	652F96 x Fin	Dirke RHR
	652F99 x Fin	Dirke LHR
	653F02 x Fin	Newport
	653F05 x Fin	Armstrong
	653F08 x Fin	Princeton
	800N02 x Fin	101
	800N07 x Fin	102
	800N12 x Fin	103
	800N17 x Fin	104
	800N22 x Fin	105
	800N27 x Fin	106
	800N32 x Fin	107
	800N37 x Fin	108
	800N42 x Fin	109
	800N47 x Fin	110
	800N52 x Fin	111 - RH
	800N57 x Fin	111 - LH
	800N62 x Fin	112 - RH
	800N67 x Fin	112 - LH
	800N72 x Fin	113 - RH
	800N77 x Fin	113 - LH
	800N82 x Fin	114 - RH
	800N87 x Fin	114 - LH
	800N92 x Fin	115 - RH
	800N97 x Fin	115 - LH
	801N02 x Fin	116 - RH
	801N07 x Fin	116 - LH
	801N12 x Fin	117
	801N17 x Fin	118 - RH
	801N22 x Fin	118 - LH
	801N27 x Fin	119 - RH
	801N32 x Fin	119 - LH
	801N37 x Fin	120
	801N42 x Fin	121 - RH
	801N47 x Fin	121 - LH
	801N52 x Fin	122 - RH
	801N57 x Fin	122 - LH

Item	Part No.	Description
2	801N62 x Fin	123
	801N72 x Fin	124
	801N77 x Fin	125
	801N82 x Fin	126 - RH
	801N87 x Fin	126 - LH
	801N92 x Fin	127 - RH
	801N97 x Fin	127 - LH
	802N02 x Fin	128
	802N05 x Fin	129
	802N12 x Fin	130 - RH
	802N17 x Fin	130 - LH
	802N22 x Fin	131 - RH
	802N27 x Fin	131 - LH
	802N32 x Fin	132 - RH
	802N37 x Fin	132 - LH
	802N467 629	21G 29 29 29
	803N567 629	21G 29 30 29
	804N917 630	21G 30 30 30
	804N967 630	21G 30 29 30
	802N827 630	21L 30 BK 30
	802N877 630	21L 30 BN 30
	802N927 629	21L 29 BK 29
	802N977 629	21L 29 BM 29
	803N027 629	21M 29 29 29
	803N077630	21S 30 BK 30
	803N127 629	21S 29 BK 29
	803N177 630	21W 30 BH 30
	803N227 629	21W 29 BH 29
	803N277 629	23M 29 00 30
	803N427 629	23M 29 00 29
	803N477 630	23M 30 00 30
	803N527 630	23M 30 00 29
	803N327 629	25M 29 00 29
	803N377 630	25M 30 00 30
	804N837 629	27M 29 00 29
	804N877 629	27M 30 00 30

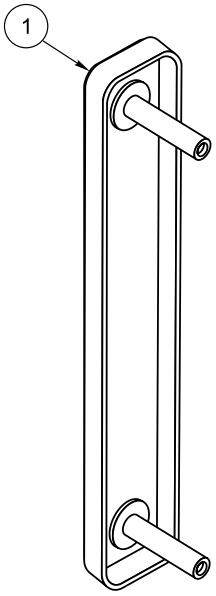


Cylinder Controls Knob	**Passage Trim Knob**	**Rigid Dummy Knob**	**Cylinder Controls Lever**	**Passage Trim Lever**	**Rigid Dummy Lever**
09	--	02	08	--	02
G855, G859	G810	G850	*855, *859	*810	*850

Item	Part No.	Description
		Escutcheon Assembly
	651F00 x Fin	F450
1	651F01 x Fin	F457
	651F02 x Fin	0855, 0859
	652F03 x Fin	0810
2	656F53 x Fin	Thumbturn / Spindle Assembly
3	***See Chart Page 61***	Cylinder, Rim
4	***See Chart Page 61***	Collar, Cylinder
		Housing & Cam Assembly
5	651F965	0855, 0859
	651F425	F457, Housing, Cylinder
6	655F028	Screw, Cylinder Mounting (2)
7	656F658	Screw, NL Function
16	651F389	Thimble Insert, Nylon ***Not Shown***
19	651F408	Spring Under Tailpiece for 0810, 0855, 0859 ***Not Shown***
25	651F858	Plate, Cover
28	651F878	Rack & Tailpiece Assembly
29	651F538	Lever, Clutch 0855, 0859
30	651F838	Pin, Clutch Lever 0855, 0859
31	651F898	Retainer, Clutch Lever Pin (2) 0855, 0859
32	651F888	Nut, Cover Plate (2)
33	652F228	Cam ***Not Shown***
34	652F239	Bearing, Nylon ***Not Shown***
35	651F848	Washer, Grip ***Not Shown***
36	81-0611-0410-036	Screw, 8-32 x 7/16 Spindle ***Not Shown*** 651F878
37	60-7200-1133-000	Spring, Rack (2) 651F868



F457



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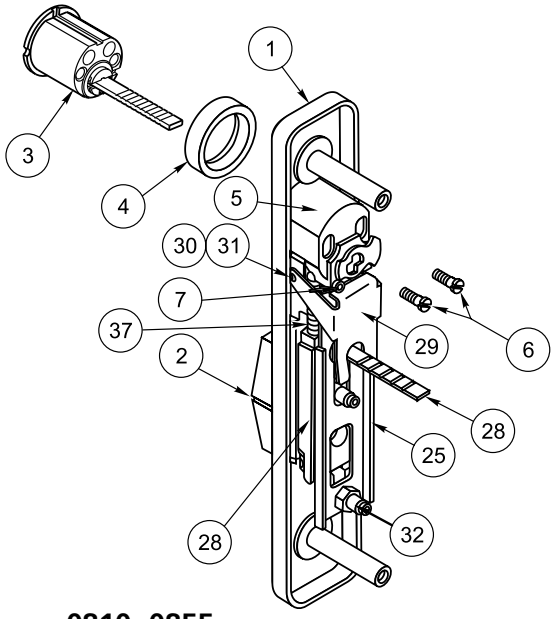
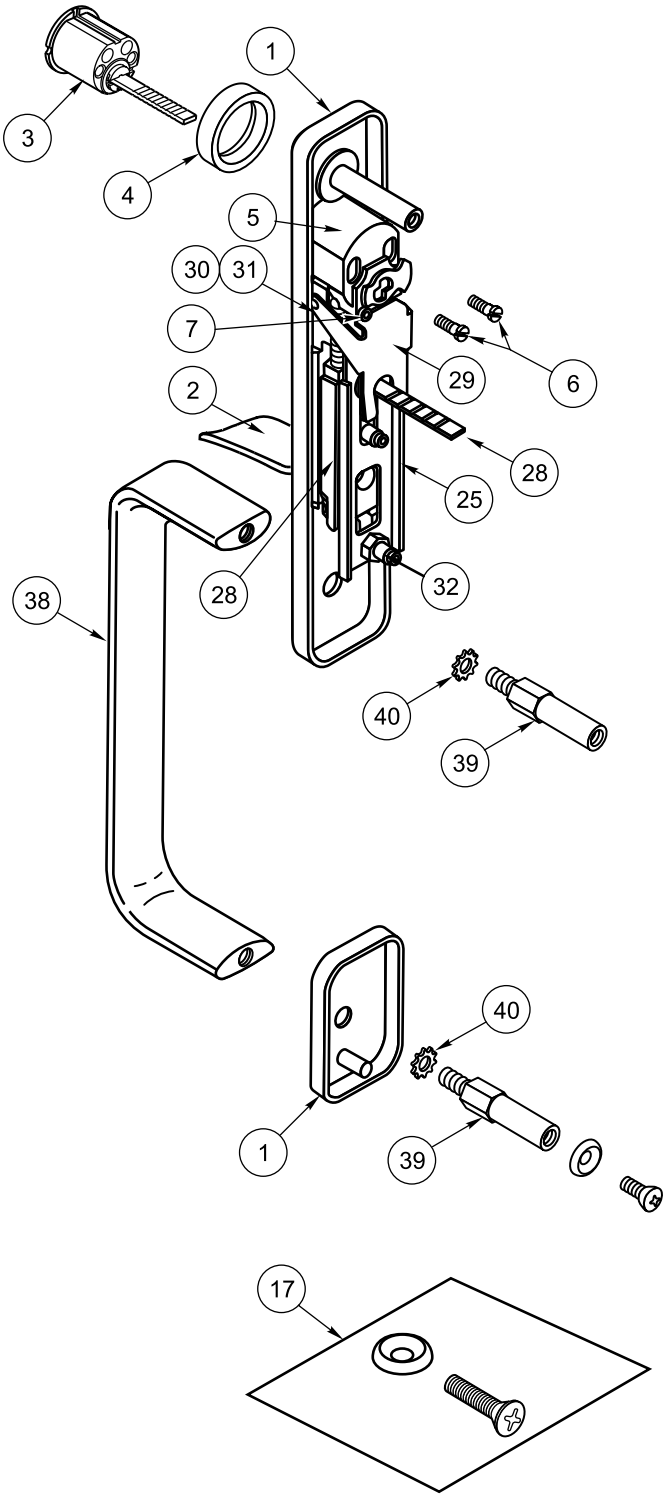


0810, 0855, 0859

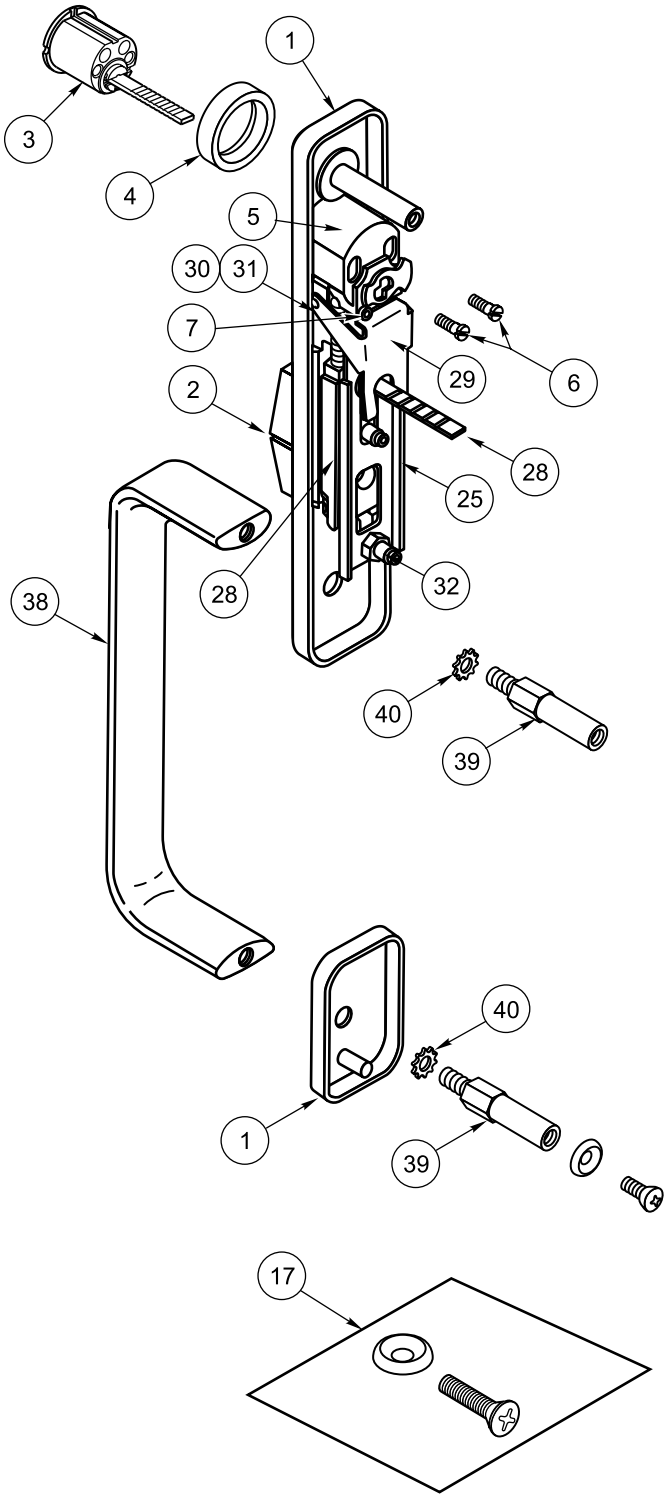
(EO) Blank Plate	**(NL) Access by Key**	**Cylinder Controls Thumbturn**	**Passage Active Turn**
--	03	11/12	--
F450	F457	0855, 0859	0810

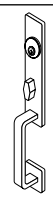
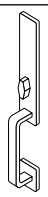
Item	Part No.	Description
1		Escutcheon Assembly
	651F09 x Fin	T1440 Top
	651F08 x Fin	T1455 Top
	651F10 x Fin	Bottom
2	566F50 x Fin	Thumbpiece
3	***See Chart Page 61***	Cylinder, Rim
4	***See Chart Page 61***	Collar, Cylinder
5	655F675	T1410 Housing, Cylinder, Gear
6	655F028	T1455, T1459 Screw, Cylinder Mounting (2)
7	656F658	Screw, NL Function
17	652F10 x Fin	1 3/4" - 2" Door Screw Packet, Mtg.
	652F11 x Fin	2-1/4" Door Screw Packet, Mtg.
		Consists of the following:
		Screw, 1/4-20 x 1 OPHMS (1)
		Washer, #14 Finish (1)
19		Spring Under Tailpiece T1455, T1459, T1410 ***Not Shown***
25	651F858	Plate, Cover
28	695F608	Rack & Tailpiece Assy
29	651F538	Lever, Clutch T1455, T1459
30	651F838	Pin, Clutch Lever T1455, T1459
31	651F898	Retainer, Clutch Lever Pin (2)T1455, T1459
32	651F888	Nut, Cover Plate (2)
37	651F868	Spring, Rack (2) ***Not Shown***
38	651F37 x Fin	Pull, Offset
39	651F438	Screw Post (2)
40	651F448	Lockwasher, Screw (2)
50	651F988	Pin, 5/32 x 1-1/8, Groove ***Not Shown***



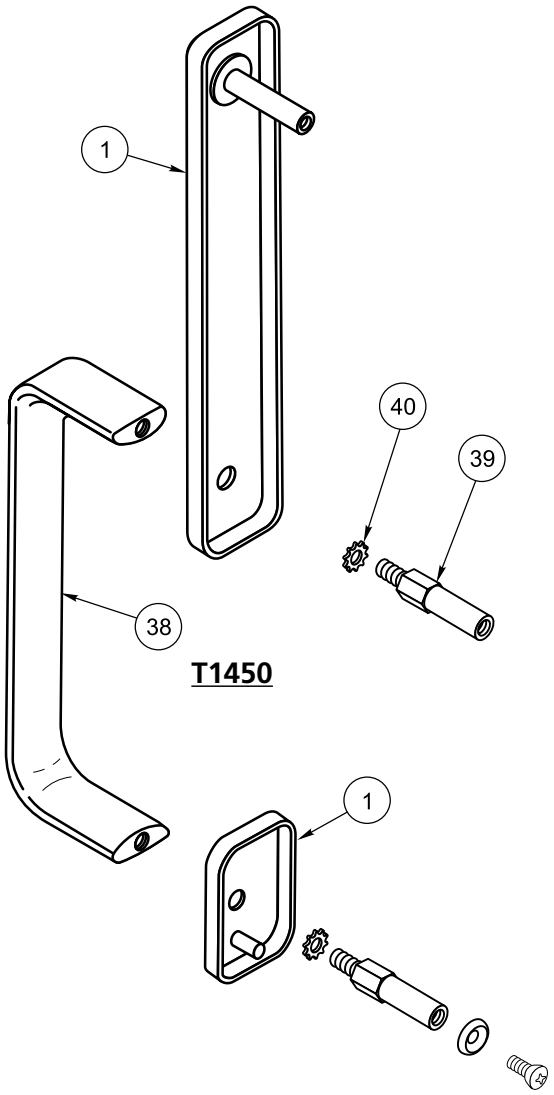
Cylinder Controls T-Piece	**Passage Active T-Piece**
05/06	--
T1455, T1459	T1410

Item	Part No.	Description
1		Escutcheon Assembly
	656F63 x Fin	01455, 01459 top
	656F62 x Fin	01410 Top
	651F10 x Fin	Bottom
2	656F53 x Fin	Thumbturn/Spindle Assy.
3	***See Chart Page 61***	Cylinder, Rim
4	***See Chart Page 61***	Collar, Cylinder
5		Housing , Cylinder
	655F685	01455, 01459
	655F675	01410
6	655F028	Screw, Cylinder Mounting (2)
7	656F658	Screw, NL Function
16	651F389	Thimble Insert, Nylon ***Not Shown***
17		Screw Packet, Mtg.
	652F108 x Fin	1-3/4" - 2" Door
	652F118 x Fin	2-1/4" Door
		Consists of the following:
		Screw, 1/4-20 x 1 OPHMS (1)
		Washer, #14 Finish (1)
19	651F408	Spring Under Tailpiece 01455, 01459 ***Not Shown***
25	651F858	Plate, Cover
28	651F828	Rack & Tailpiece Assy
29	651F538	Lever, Clutch 01455, 01459
30	651F838	Pin, Clutch Lever 01455, 01459
31	651F898	Retainer, Clutch Lever Pin (2) 01455, 01459
32	651F888	Nut, Cover Plate (2)
33	652F228	Cam ***Not Shown***
34	652F239	Bearing, Nylon ***Not Shown***
35	651F848	Washer, Grip ***Not Shown***
37	651F868	Spring, Rack (2) ***Not Shown***
38	651F37 x Fin	Pull, Offset
39	651F438	Screw Post (2)
40	651F448	Lockwasher, Screw Post (2)
50	651F958	Pin, 5/32 x 1-1/8, Groove ***Not Shown***

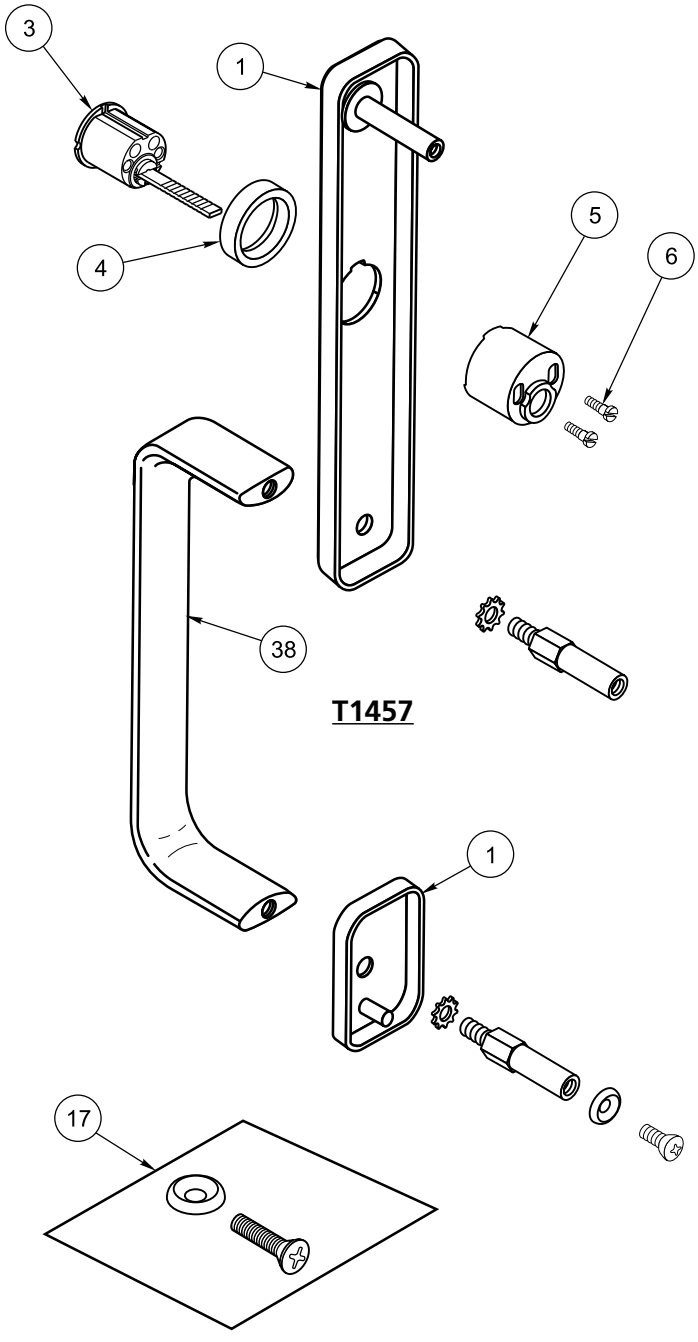


	
Cylinder Controls T-Turn	**(Passage) Active T-Turn**
11/12	--
01455, 01459	01410

Item	Part No.	Description
1		Escutcheon Assembly
	651F04 x Fin	T1457 Top
	651F06 x Fin	T1450 Top
	651F10 x Fin	Bottom
3	***See Chart Page 61***	Cylinder, Rim
4	***See Chart Page 61***	Collar, Cylinder
5	651F425	Housing, Cylinder T1457
6	655F028	Screw, Cylinder Mounting (2)
17		Screw Packet, Mtg.
	652F108 x Fin	1-3/4" - 2" Door
	652F118 x Fin	2-1/4" Door
		Consists of the following:
		Screw, 1/4-20 x 1 OPHMS (1)
		Washer, #14 Finish (1)
38	651F37 x Fin	Pull, Offset
39	651F438	Screw Post (2)
40	651F448	Lockwasher, Screw Post (2)



T1450

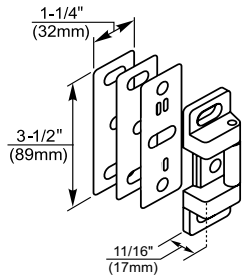


T1457

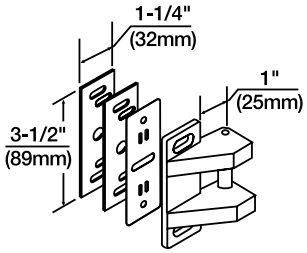
(NL) Cylinder by Pull	**(DT) Pull Plate**
03	02
T1457	T1450

needs info

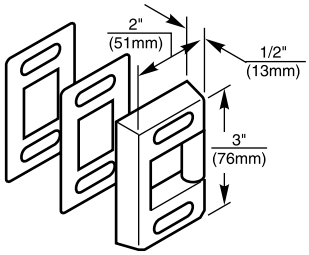
Rim Devices



standard	
650F308	ED5200 (A) ED4200M (A)
730F778	ED5200S (A) ED4200SM (A)

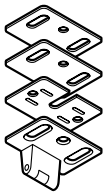


optional (S02)	
655F718	ED5200 ED4200M ED4200S ED4200SM

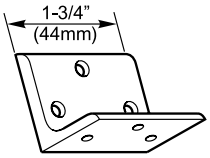


standard	
650F318	ED4200 ED4200S 7200 Rim

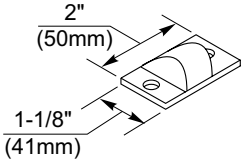
Rim Devices



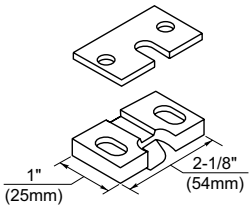
standard	
650F548	ED5400 (A) Top ED5800 (A) Top



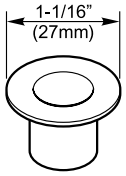
standard	
650F878	Bracket for SVR Top Strike in Flush Transom Opening



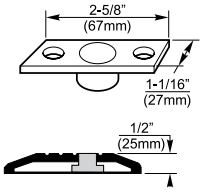
standard	
681F778	ED5860B Top



standard	
681F708	ED5470B

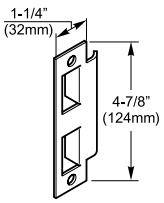


650F578

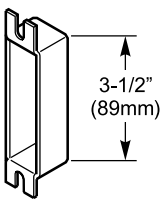


650F888

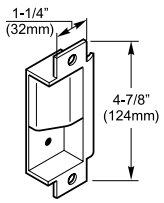
Mortise Devices



standard	
650L657020	All mortise (non-Handed)



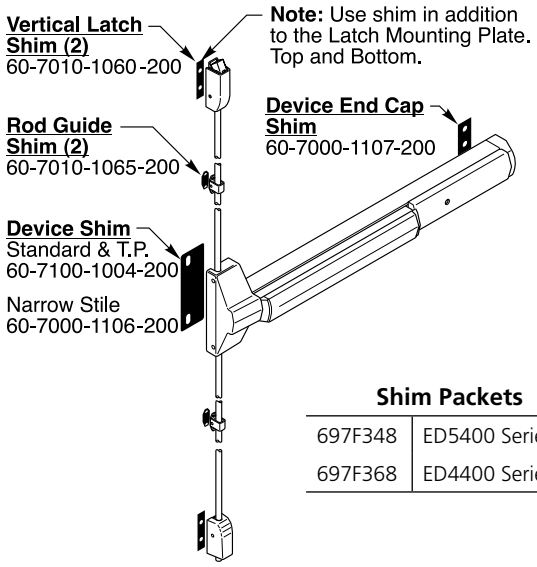
standard box	
120F768	for ANSI Prep



open back strike	
653L183016	for door pair when code allows use

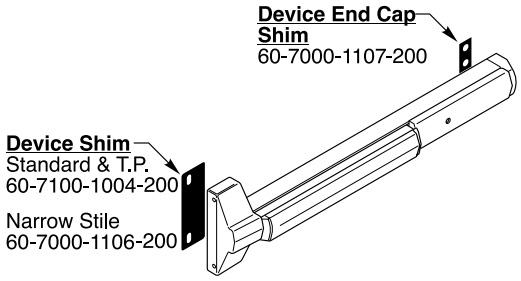
Shim Kits

724, 724NS
For Surface Vertical Rod Exit Device



Shim Packets	
697F348	ED5400 Series
697F368	ED4400 Series

723, 723NS
For Rim, Mortise, and CVR Exit Device

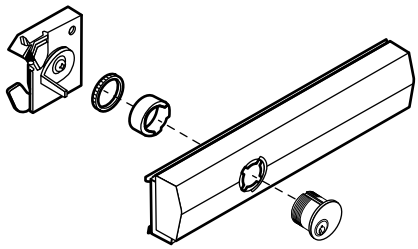


Shim Packets	
697F338	ED5200, ED5600, ED5800 Series
697F358	ED4200, ED4800 Series

Cylinder Dogging Kits
Designed to convert a panic device from hex key dogging to cylinder dogging.

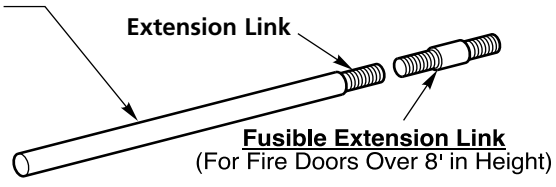
Not permitted on fire-rated devices.

Bar Length	Part No.
36"	653F12 x Fin
36" NS	653F14 x Fin
48"	653F13 x Fin



Surface and Concealed Vertical Rod Extension Kits
Used to extend the height of standard length rods for 7110(F)(8'max), 7120, 7160(F), 7170(F), and 7210 Series exit devices.

Rod Extension Assembly	
2"	655F15 x Fin (Panic)
6"	655F16 x Fin (Panic)
12"	655F17 x Fin (Panic)
12"	655F17 x Fin (Fire rated)
24"	684F42 x Fin (Fire rated)



Retro Fit Kits

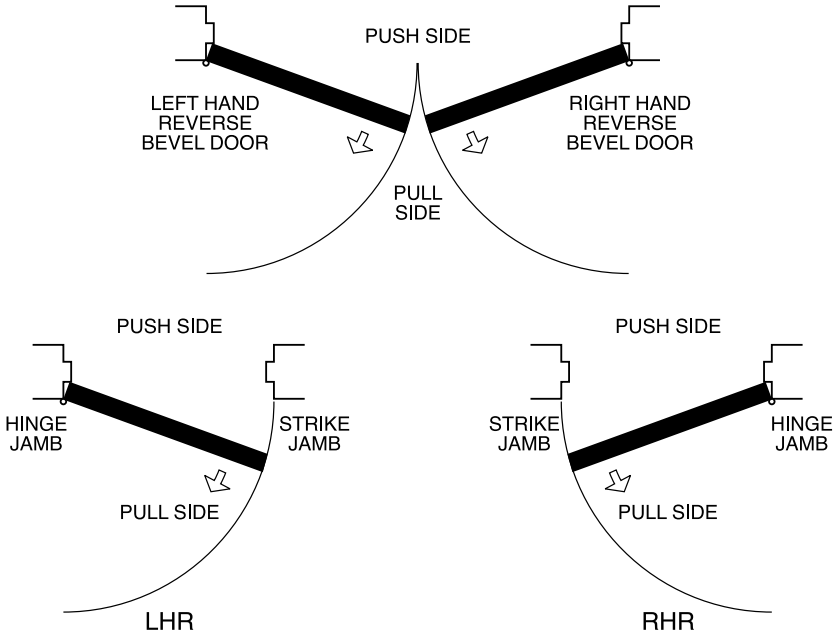
Schlage® Cam and Housing Assembly
Part Number: 720F688

Handing

Left Hand Reverse: Hinges on left, opens outward. For handed devices, specify LHR.

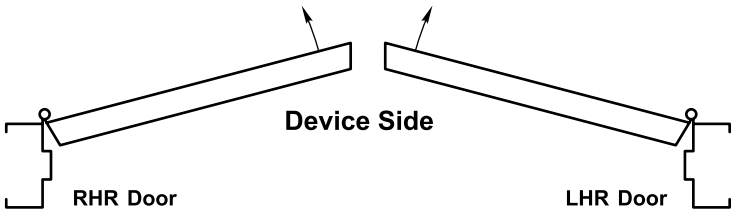
Right Hand Reverse: Hinges on right, opens outward. For handed devices, specify RHR.

Note: Doors with Panic-Exit and Fire Exit hardware must open out. Therefore, hands must be reverse bevel.



Rim Devices
ED5200 (A), ED5200S (A), ED4200, ED4700S, ED4200SM (A), ED4200M (A) Series

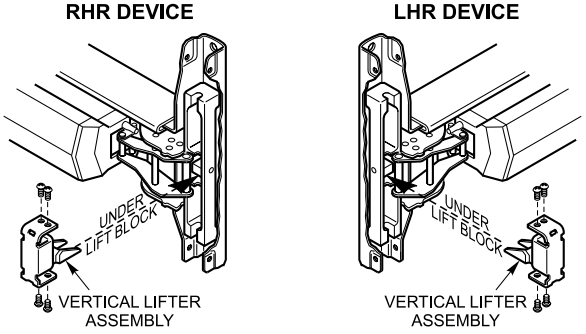
These devices are non-handed.



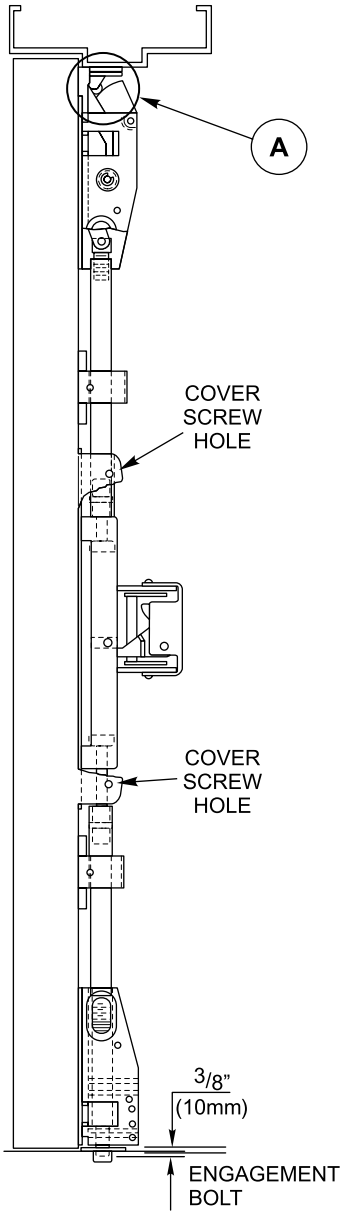
Vertical Rod Devices, Surface and Concealed ED5400 (A), ED5470 (B), ED5800 (A), ED5860 (B), ED4400, ED4400M (A), ED4800, ED4800M (A)

Remove four screws and vertical lifter assembly. Turn device to opposite (180 degrees) orientation, insert lifter assembly and reinstall screws.

NOTE: Lifter must fit under lift block as shown.



Need New info



If top latch does not engage properly, check alignment. When locked, latch bolt should not be preloaded by strike **(Area A)**. Shim or reposition strike if necessary.

Bolts extend automatically when door closes and top strike hits tripping lever. Top bolt should retract flat. Bottom bolt should travel 1/2" and engage 3/8" into strike in down position, without dragging on floor surface in up position.

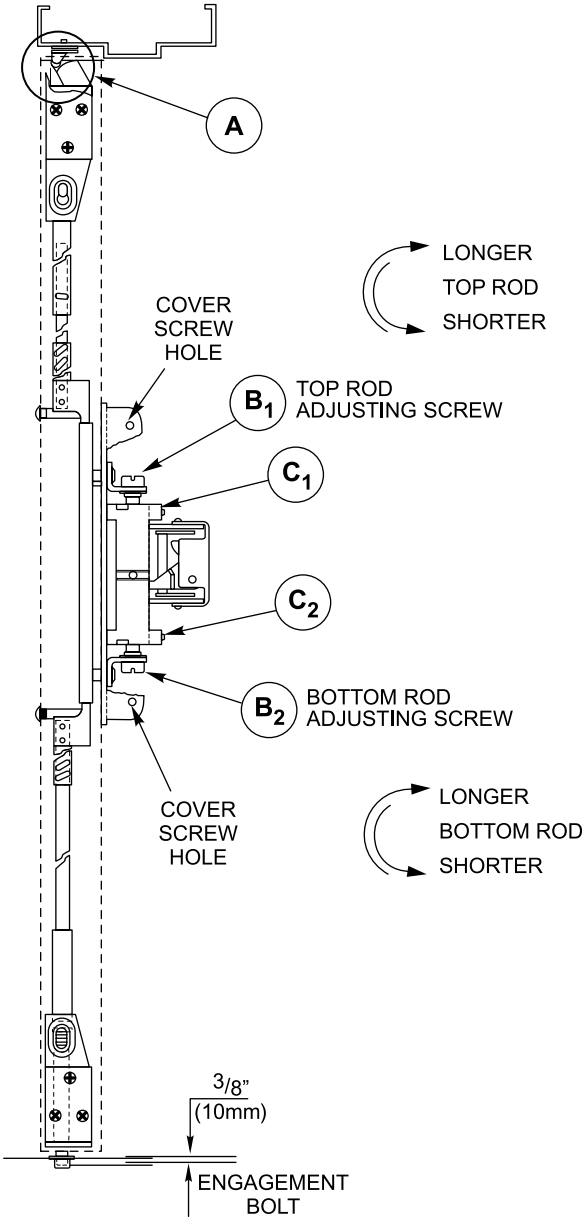
Rod Adjustment

1. Remove active case cover screws and cover.
2. Remove rod guide cover screws and rod guide covers. Tilt rods, top and bottom, out of engagement in active case and out of rod guides.
3. **Adjust top rod first.** Push up on top rod to fully retract top latch with hold back feature engaged. With device in dogged position (panic devices) or touchbar fully depressed (fire devices), adjust top rod so that the square head of the rod connector slides into engagement in the active case. Shorten rod an additional 1/2 turn.
4. **Adjust bottom rod.** With top rod engaged, top latch retracted in hold back position, and touch bar dogged or fully depressed, adjust bottom rod so that the deadbolt clears the strike by 1/16". The bottom rod should be in position in the active case with the square head of the connector hanging in the slide.
5. **Check device operation** by opening and closing the door. When present, operate the device with the outside trim. An additional minor adjustment may be required for full retraction and correct strike engagement.
6. Reinstall the rod guide covers and the active case cover.

Maintenance

1 . Periodically remove covers and coat mechanisms with an appropriate lubricant. This is regularly required in corrosive environments for proper product operation.
2. Check mounting fasteners periodically. Retighten if found loose. Apply screw locking compound or change part fasteners if screws continue to back out.
3. Periodic checks and adjustments of rods may be required to compensate for door or frame sag.

ED5400



7120

Rods should move freely inside door. Bolts extend automatically when door closes and top strike is tripped. Top bolt should retract flat. Bottom bolt should travel 1/2" and engage 3/8" into strike in down position, without dragging on floor surface in up position.

If top latch does not engage properly check alignment. When locked, latch bolt should not be preloaded by strike (Area A). Shim or reposition strike if necessary.

Rod Adjustment for Bolt Throw

1. Remove Latch assembly cover screws and cover.
2. Use 3/32" Allen wrench to loosen set screws **C_1** and **C_2**.
3. Adjusting screws **B_1** and **B_2** only provide fine rod adjustment. If screws bottom out before proper device operation, door and device must be removed. Larger adjustments may then be made either by threading rod in or out, or by moving cotter pin to different hole in rod.
4. **Adjust top rod first.** With device in dogged position (panic devices) or touchbar fully depressed (fire devices), adjust top rod so that the top latchbolt is flush and the hold back feature is engaged. Lengthen top rod an additional 1/2 turn.
5. **Adjust bottom rod.** With top latch retracted in hold back position, and touch bar dogged or fully depressed, adjust bottom rod so that the deadbolt clears the strike by 1/16". The bottom rod should be in position in the active case with the square head of the connector hanging in the slide.
6. **Check device operation** by opening and closing the door. When present, operate the device with the outside trim. An additional minor adjustment may be required for full retraction and correct strike engagement.
7. When finished, lock adjusting screws in place with Allen set screws.

   Caution: To avoid thread damage and provide positive locking, be sure Allen set screws engage flats on adjusting screws.

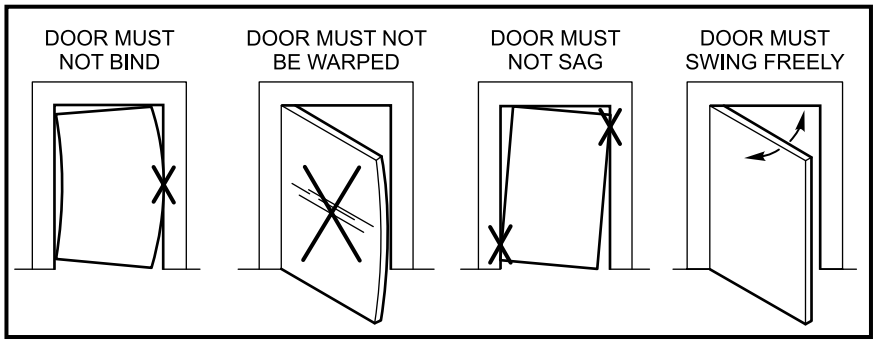
Maintenance

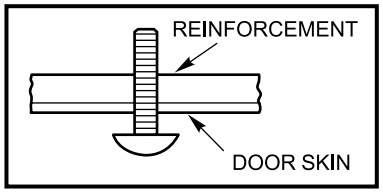
1. Periodically remove covers and coat exposed mechanisms with an appropriate lubricant. This is regularly required in corrosive environments for proper product operation.
2. Check mounting fasteners periodically. Retighten if found loose. Apply screw locking compound or change part fasteners if screws continue to back out.
3. Periodic checks and adjustments of rods may be required to compensate for door or frame sag.

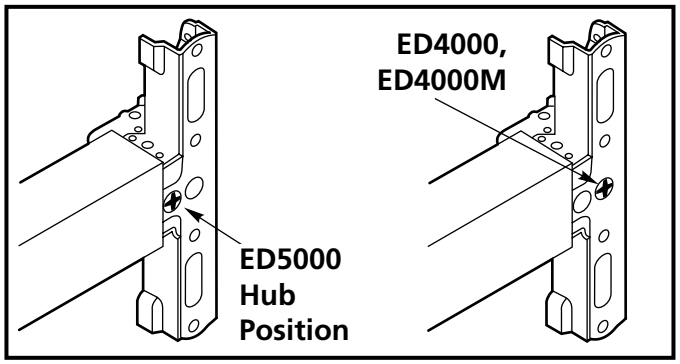
1. Many problems with the operation of exit devices are caused by factors other than the device itself. Among the most common is a misalignment or an improper fit of the door within the frame.

2. Another common source of problems is improper installation. Even if all cutouts and screw holes are properly located, exit devices must be securely fastened to properly reinforced doors. Hollow doors and frames with a structural thickness (metal skin plus reinforcement, or solid hardwood) must have at least three full screw threads to be considered reinforced.

3. Most problems with dogging occur on vertical rod devices. When the dogging function is hard to engage or will not work at all, the rods may be incorrectly adjusted allowing the mechanism to bottom out. Readjust rods per the device instructions or as outlined on the previous pages.







DIFFERENCE IN ACTIVE HEADS

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